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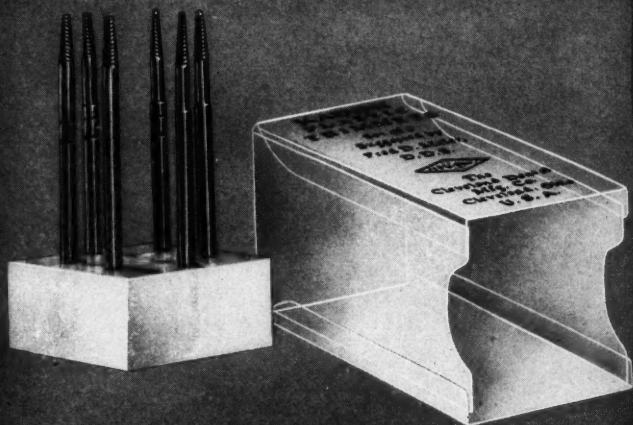
**WATCH OUT FOR  
DENTAL INFLATION**

# Oral HYGIENE



Kansas State Dental Association Annual Meeting, Wichita, May 6-9.

# KADON PLASTIC TRIMMERS



- **SMOOTHER FINISH** with KADON Plastic Trimmers. Valuable time saved over other methods.
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Follow the instructions of your dentist. If excessive bleeding or swelling occurs after extraction, consult him at once.



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### A MESSAGE TO DENTISTS

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## The Publisher's CORNER

By Mass

No. 357



### Button Stick

SOMEBODY is always smartening me up. Or trying to. Anyway, this department has now been advised about Roman numerals. Last month, you may or may not remember, the CORNER was worried about how the old Romans managed their mathematics—how they added and subtracted and divided Roman numerals.

As so often happens, the worry was needless. The answer was to be had in the cubicle right next to this one, right in the office of our own magazines' promotion manager, Dorothy Sterling. If since March ORAL HYGIENE appeared, you yourself have been sharing our worry about this problem, you can simmer down. Listen to Dorothy. She happens to know the answer because mathematics is a hobby of hers.

The answer is: the Romans *did not* use Roman numerals in figuring out mathematical problems. So there was no problem to worry about. What *did* they do, then? Well, before they wrote anything down, they figured things out on an abacus. Then they recorded the results in Roman numerals. Catch on? The abacus



For outstanding results . . . an easy-to-use plastic with definite advantages for fillings (it clings tenaciously to cavity walls) and as a cement for inlays, crowns and bridges . . . for a dappen dish mixing technic without spatulation, fully controlled to allow ample working time. There is a Replica natural tooth shade for every requirement. Call your dealer for Replica.



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—a frame with buttons or beads sliding on rods—the Romans received from the Etruscans. Others used it, too.

"When the Spaniards came over to this hemisphere," Dorothy explained, "they found the abacus in use here. The abacus was developed naturally from the original device of counting on the fingers, and was the only means of figuring until along about the beginning of the Christian era." Having disposed of Roman numerals, Dorothy went on: "What we call Arabic numerals really came originally from India and were called 'Indian' numerals by the Arabs. The Arabs introduced them to the Western world, so the western folks called them 'Arabic' numerals." According to Dorothy Sterling, the really big contribution to the developing of "figuring" was the Hindu inspiration to create a sign for "nothing," which has become our zero. They used their sign for "nothing" to indicate no beads or buttons on that wire of the counting frame.

If you believe Dorothy, the people who really had sure-enough trouble with their mathematics were the Hebrews. "Instead of feeling sorry for the Romans, feel sorry for the Hebrews," she said. Here's why: their system of numerals included *every* letter of their entire alphabet.

"And," Dorothy went on, "if you're feeling sorry for folks who have had to use the abacus, remember that not so long ago in a time-and-accuracy contest between a modern adding machine and an abacus, the fellow fingering the abacus came out ahead."

An abacus I know about, although I never fingered one myself. Working years ago in California as a seed farmer, I practically lived with Chinese people. Of course, as for many centuries, the abacus was their comptometer. I haven't seen one for a very long time, but it is easy to remember the frame—something like the frame of an old-fashioned school slate—

(Continued on page 462)

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# NO LAXATIVE LAG

## with Sal Hepatica

When your patients ask about fast laxation recommend effervescent Sal Hepatica. There's no lag, no continuing discomfort while your patients wait for *this* laxative to act. Taken before the evening meal, satisfactory action is assured before bedtime, thus permitting a sound night's sleep. Taken in the morning before breakfast, laxation will usually occur within the hour.

Sal Hepatica's action is gentle, too, for its fluid bulk provides *soft* pressure.

Sal Hepatica suits your patients' convenience—and yours. Antacid Sal Hepatica also combats gastric hyperacidity which so often accompanies constipation.

\**Aperient*



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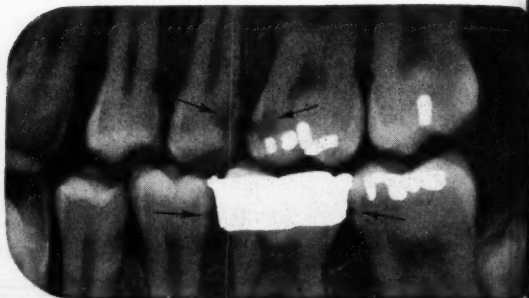
\**Average dose*



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IN THIS INTERPROXIMAL RADIOGRAPH (enlarged for easy study), upper arrows point

out third-degree caries urgently in need of attention . . . lower arrows point out first-degree caries which should be kept under rigid periodic x-ray observation.



## Diagnosis is easier Operating is easier—faster

IN THIS PHOTOGRAPH, the dentist is operating on a left maxillary molar with a bin-angle chisel in the palm and thumb grasp. Interproximal cavities, as well as others in this area, are usually more readily reached by having patient turn head slightly to right.

(“American Textbook of Operative Dentistry,” A. B. Gabel, D.D.S. Courtesy: Lea & Febiger.)



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NO UNCERTAINTY about the condition of the proximal areas when Bite-Wing radiography is used regularly. It provides complete visualization not otherwise obtainable. Furthermore, because early diagnosis and prognosis are thus possible, tooth structure can be conserved and treatment simplified.

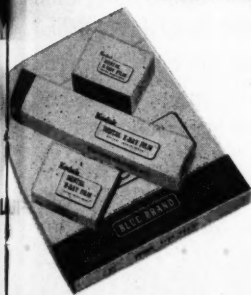
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strung with wires like a little harp, with buttons sliding on each wire. In California we called it a button stick. The figuring is done by repositioning the buttons on the various wires. Don't ask me for details; I don't remember them. But I guess the abacus is as efficient as Dorothy says it is. Anyway, my Oriental pals fingered out their arithmetic with neatness and dispatch.

Actually, as I found out one summer afternoon, a Chinese abacus jockey could do a job even if he had left his abacus at home. That afternoon, I had driven out to one of the seed farms with the field hands' pay roll, a canvas sack full of gold pieces, a couple of thousand dollars, I guess. The foreman, Ah Chin, was out in the field with a bunch of his men, so I drove out there with the money. He counted the coins on the running board of the car, then made an abacus with pebbles alongside the money and quick as a wink verified the arithmetic. Don't ask me how.

Thinking of Ah Chin reminds me of Chin Go Yuen, another Chinese pal of mine, the foreman of another of the seed farms. Chin had a young son, and wanted him to learn arithmetic American style, so sent him to school in San Francisco, not far away. Chin didn't want the kid to be limited to the abacus. But as it turned out, the young lad never did graduate from the button stick. The Chinese youth trundled off to San Francisco each day; each night, he came home with mighty inky fingers. At long last, old Chin Go Yuen learned the truth. Young Chin was expelled from school because after the first day he had never been back there. Day after day during the entire term he had fooled around Chinatown, then carefully inked his fingers so as to fool Papa Chin into thinking he had been slaving away at a school desk.

Young Chin never did learn American-style arithmetic but, according to Dorothy Sterling, he was better off with the button stick anyway.

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PRECIOUS M



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TYPE "A" INLAY GOLD



**DEETWO**  
TYPE "B" INLAY GOLD



**DEESIX**  
TYPE "C"  
INLAY GOLD

# A guide to better Gold inlays

Many factors enter into the making of accurate-fitting, serviceable gold inlays. First of these is — the gold you use. DEE golds meet all inlay needs. For gingival, one-surface and other inlays where a *soft* gold is indicated, use **DEEONE** type "A" casting gold. For average inlays, bridge abutments and cast bridgework that require a *medium* gold, **DEETWO** type "B" inlay gold is best. For carmichaels,  $\frac{3}{4}$  crowns, cast crowns, M.O.D. and cast bridges that call for a *hard* gold, you want **DEESIX** type "C" inlay gold. The physical properties of each of these DEE golds are perfectly suited for the type of inlays for which the golds are intended.

## YOU WILL FIND THIS BOOKLET HELPFUL

This 32-page booklet was prepared by the Handy & Harman Department of Education and Research as a service to the dental profession. It covers every step in making castings that fit accurately and have the proper physical characteristics. We'll be glad to send you a copy on request. Ask for the "BETTER GOLD INLAY" booklet.



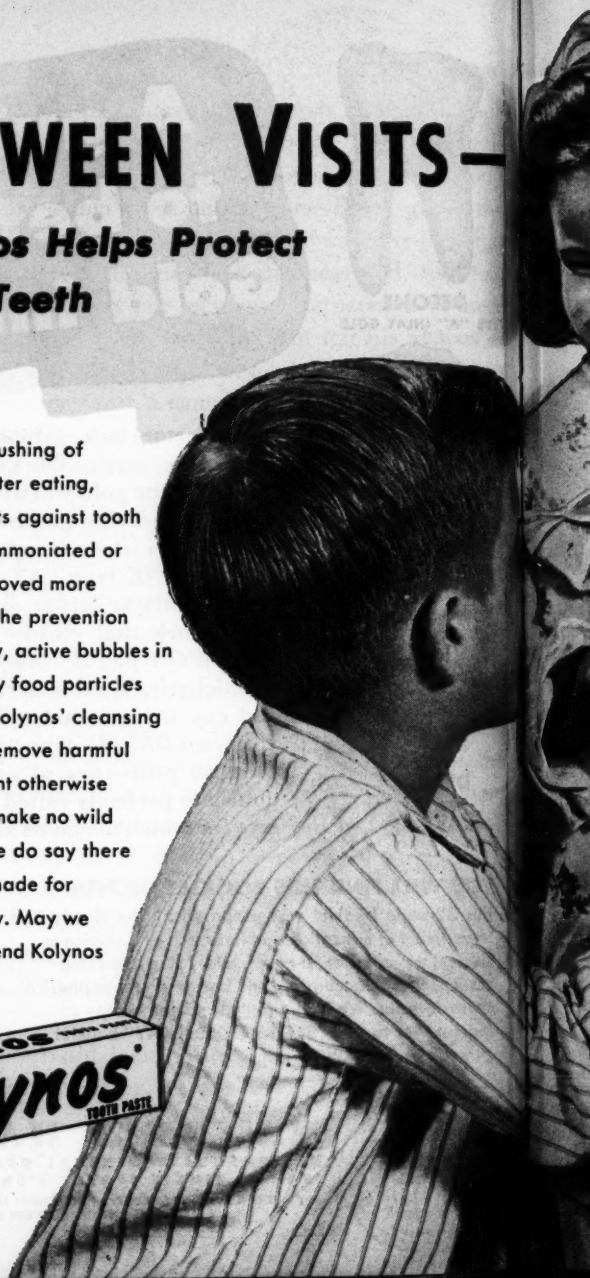
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# BETWEEN VISITS—

## **Kolynos Helps Protect Their Teeth**

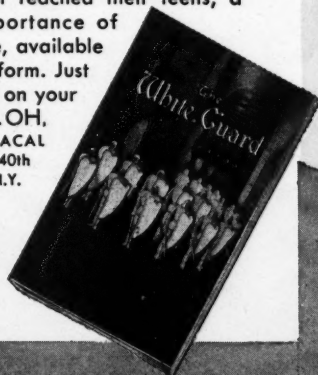
Regular brushing of the teeth with Kolynos, after eating, helps protect your patients against tooth decay. No tooth paste, ammoniated or not, has been clinically proved more effective than Kolynos in the prevention of tooth decay. The foamy, active bubbles in Kolynos help dislodge tiny food particles from between the teeth. Kolynos' cleansing agents help loosen and remove harmful dental plaques which might otherwise lead to tooth decay. We make no wild claims for Kolynos, but we do say there is no better tooth paste made for prevention of tooth decay. May we suggest that you recommend Kolynos to your patients?







"THE WHITE GUARD," an informative and instructive story illustrated in color and written in entertaining fashion for patients who have not yet reached their teens, a story on the importance of good oral hygiene, available to you in booklet form. Just send your request on your letterhead to Dept. OH, WHITEHALL PHARMACAL COMPANY, 22 East 40th Street, New York 16, N.Y.



# A bigger axe would



(Amm-i-dent's record  
of caries reduction was  
made on regular twice-  
a-day brushing)

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# do a better job...

## Likewise...a HIGH-UREA Ammoniated Dentifrice Can Provide BETTER CARIES CONTROL

for maximum effectiveness in caries control through the use of an ammoniated dentifrice, the presence of a high-urea content has been shown to be indispensable.

Stephan<sup>4</sup> observed that dilute intral solutions of urea (1% or under) exert no appreciable inhibitory effect on acid production from carbohydrates. And other authorities<sup>2</sup> have reported that urea concentrations of 0.5% or less are completely incapable of inhibiting lactobacilli growth.

By contrast, Henschel and Lieber<sup>1</sup> have demonstrated through controlled clinical tests that a high-urea dentifrice (Amm-i-dent formula), which yields urea concentrations in the mouth of about 4 per cent, has reduced caries incidence in 82% of the patients tested by from 37.5% to 41.9% (depending on method of calculation used).

Amm-i-dent Powder and Amm-i-dent Paste—formulated with high-urea content—are entirely safe...clinical tests

and gingival biopsies<sup>3</sup> have demonstrated freedom from toxic or other adverse reactions. They are completely stable...maintain their ammonia-releasing properties indefinitely under normal conditions.

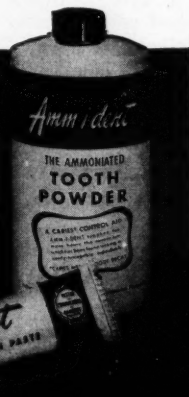
They clean and polish thoroughly, and have an excellent flavor.

Little wonder, that more dentists recommend Amm-i-dent than any other dentifrice.

REFERENCES: 1. Henschel, C. J. and Lieber, L.: J. Dent. Research, 28:248, 1949. 2. Kirchheimer, W. F. and Douglas, H. C.: J. Dent. Research, 29:320, 1950. 3. Lefkowitz, W. and Tanchester, D.: N. Y. Dent. J., 16:297, 1950. 4. Stephan, R. M.: J. Dent. Research, 22:63, 1943.

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★ A soft, easily bur-nished gold for simple inlays that are subject to no occlusal stress. It casts cleanly and dense-ly with extreme ease, assuring sharp mar-gins.

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★ A medium hard bur-nishable gold for indi-vidual restorations and compound inlays, such as 2-surface and 3-sur-face inlays, where its greater bulk will resist stress of mastication.

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in meeting  
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Citrus fruits—among the richest known sources of Vitamin C—also contain vitamins A and B, readily assimilable natural fruit sugars, and other factors, such as iron, calcium, citrates and citric acid.

#### References

1. Armstrong, W. D.; J. Dent. Research, 27:376, 1948.
2. Hanke, M. T.; Diet and Dental Health, Chicago Univ. Press, 1933.
3. Howe, P. R., et al.; J. Am. Dent. A., 28:1089, 1941.
4. Joslin, C. L., and Bradley, J. E.; Personal Communication.
5. Mead, S. V.; Proc. 52nd Ann. Meeting Fla. State Horticultural Soc., 1939.
6. Ibid.; Am. J. Orthodontics & Oral Surg., 26:968, 1940.
7. Quart. Rev. Pediat., 4:1170, 319, 1949.
8. Roworth, S. H.; J. Dentistry Child., 19:173, 1946.
9. Stearns, G.; J. Dent. Research, 27:397, 1948.
10. Storvick, C. A., et al.; J. Nutrition, 53:529, 1947.



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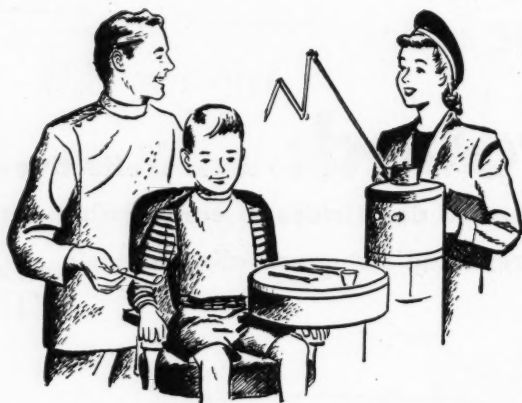
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1. Jeans, P. C.: Application of Nutrition Research to Everyday Practice, Am. J. Dis. Children, 80: 361 (Sept.) 1950.

2. McCollum, E. V., and Becker, J. E.: Food, Nutrition and Health, 6th ed., Published by the Authors, Baltimore, 1947, p. 82.

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## Ovaltine

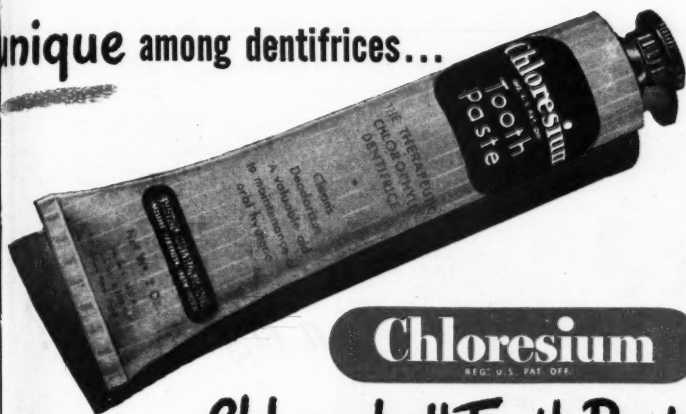
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CALCIUM . . . . .	1.12 Gm.	NIACIN . . . . .	6.8 mg.
PHOSPHORUS . . . . .	0.94 Gm.	VITAMIN C . . . . .	30.0 mg.
IRON . . . . .	12 mg.	VITAMIN D . . . . .	417 I.U.
COPPER . . . . .	0.5 mg.	CALORIES . . . . .	676

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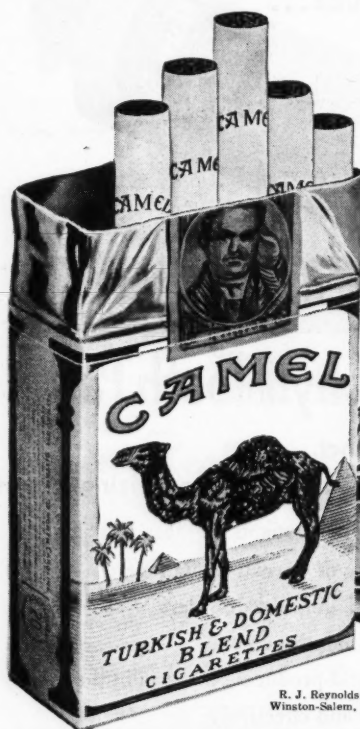
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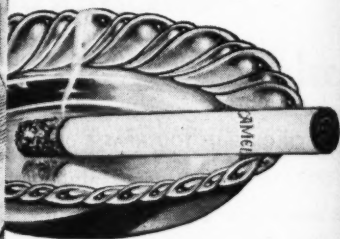
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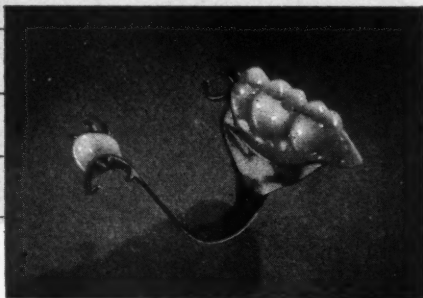
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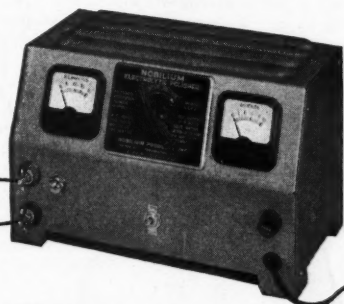


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# Fluoridation News

1945

1950

W & T ENGINEERS  
200 South 10th Street  
Newark, N. J.

W & T ENGINEERS  
200 South 10th Street  
Newark, N. J.

Fluoridation—the application of fluorides to public water supplies—has come a long way since 1945, when it was looked upon simply as a possible, though still to be proven, method of reducing the incidence of dental caries.

During the last five years Wallace & Tiernan has made many installations for the application of fluorides—over thirty in Wisconsin alone. More important, during this same period the principle of fluoridation has been endorsed by the *American Dental Association*, the *Conference of State and Territorial Dental Health Directors*, the *American Water Works Association*, the *American Public Health Association*, and the *Conference of State and Territorial Health Officers*.

In addition, Wallace & Tiernan's Pharmaceutical Division, handling a number of ethical specialties, has developed Flurium Gum, Flurium Topical, and Flurium Oral for prescription by the dental and medical profession to those individuals who do not have access to a fluoridated public water supply.

Now, because of rapidly increasing public interest, you will undoubtedly be consulted more than ever by citizens in your community for information on fluoridation. To help you answer their questions, W & T has prepared a publication on the subject which should be helpful to you. It covers these facts:

1. Fluoridation problems are different in each community and require individual engineering.
  2. There are several different methods of applying fluorides to water—each method has certain inherent advantages and disadvantages, depending on the circumstances.
  3. Fluoridation gives definite benefits but is no panacea.
  4. W & T's full line of Dry Chemical and Solution Feeders, tested and proved through years of operation has demonstrated its adaptability to the feeding of fluorides.
  5. W & T Engineers, with 37 years of experience in water treatment and over 5 years in the application of fluorides, are prepared to help any community contemplating fluoridation.
- This publication is available at no obligation through any W & T office. Data on W & T Flurium products is available only to the professions.

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Picture of the Month .....	491
How to Get Cash for All Dental Services ..... <i>John Y. Beaty</i>	493
A Dentist Speaks to Congress ..... <i>Fred D. Miller, D.D.S.</i>	498
Recording Conversations in the Dental Office ..... <i>Marie Meany</i>	501
Watch Out for Dental Inflation ..... <i>Gordon Duncan</i>	505
Health Resources of Nation to be Mobilized .....	510
Portraits and Profiles of American Dentists ..... <i>Howard A. Hartman, D.D.S.</i>	520
Dentists Can Qualify for Social Security .....	522

## DEPARTMENTS

The Publisher's Corner .....	456	Technique of the Month .....	517
So You Know Something .....		Editorial Comment .....	518
About Dentistry! .....	514	Ask Oral Hygiene .....	524
Dentists in the News .....	515	Laffodontia .....	530

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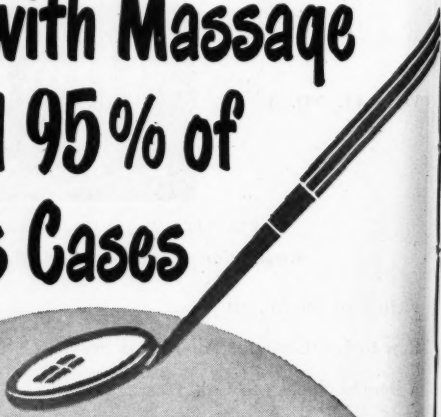
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# Forhan's with Massage Benefited 95% of Gingivitis Cases



Who knows better than you, doctor, that more teeth are lost from neglected gums than tooth decay. Therefore, you will be especially interested in these clinical findings by a group of impartial practicing dentists. 1,048 patients were given individual examinations. 795 were Gingivitis cases. 564 were first given prophylaxis. All were instructed to brush teeth and massage gums with Forhan's toothpaste.

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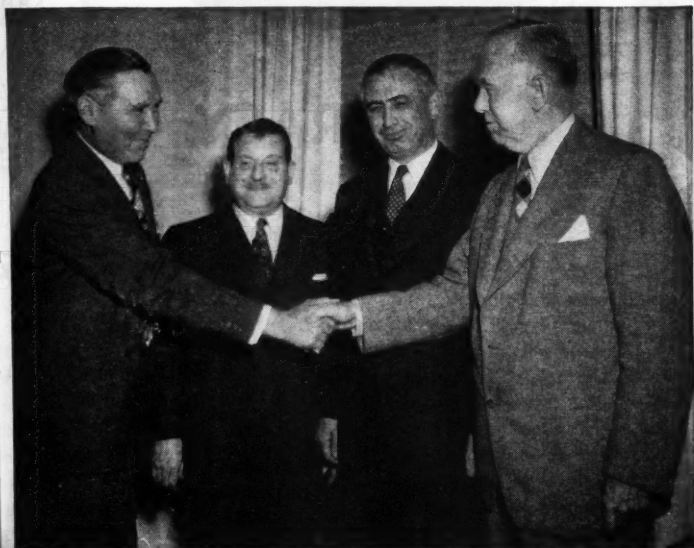
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## *Picture of the Month*



THREE NATIONALLY prominent civilian professional men are shown here with Secretary of Defense George C. Marshall at the Pentagon after being sworn in as members of the new Armed Forces Medical Policy Council. Left to right are: James P. Hollers, D.D.S., of San Antonio, Texas, shaking hands with General Marshall; I. S. Ravdin, M.D., Philadelphia; and W. Randolph Lovelace II, M.D., of Albuquerque, New Mexico. The recently established Council will combine the functions of the Office of Medical Services and the Armed Forces Medical Advisory Committee.—*Official Defense Department Photograph.*

*Ten dollars will be paid for the picture submitted and used in this department each month. Send glossy prints with return postage to ORAL HYGIENE, 708 Church Street, Evanston, Illinois.*



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## How to Get Cash



## for All Dental Services

BY JOHN Y. BEATY\*

THERE ARE at least three ways by which a dentist may get immediate cash upon completion of dental treatment from those patients who must budget the amount over a period of months. The first way is most desirable and usually can be arranged. The three methods are briefly described as follows:

1. A local bank approves the credit before the dentistry is completed. In the dentist's office the patient signs a note payable to the bank. The dentist sends this note to the bank and the bank immediately credits the dentist's checking account for the full amount of his charge for service. The bank takes

full responsibility for collecting the note. In some cases, banks have asked that a reserve for possible losses on such notes be set up on which the bank might draw if some note was not paid. This reserve, however, is built up by adding the percentage to each statement for services when a note is to be given to the bank. In other words, this reserve does not come out of the dentist's pocket.

2. In some cases, the bank asks the dentist to endorse the note and guarantee its payment. In this case, no reserve is set up. This, of course, is not as desirable from the dentist's point of view.

3. Some dentists have used notes from patients as collateral for borrowing from the bank.

Obviously, the second and third

\*Former Editor of the *Banker's Monthly*.

**Monthly payment plan for dentistry through local banks proves a successful solution to collection problem.**

methods are not as desirable as the first, and it is recommended that any dentist desiring an arrangement with his local bank consider only the first method. Today, most banks specialize in personal loans. They are able to make credit investigations and to handle monthly payments. Obviously, a bank with a personal loan department is much more likely to cooperate on Plan No. 1 than one which is not equipped to handle small monthly payments; so if you have a choice, select a bank that is now making monthly payment loans.

#### Bank Collects

It would be my advice to make no mention of a reserve unless the bank asks for it. Bankers vary just as the rest of us do. Some would be willing to make these loans without any reserve being set up and without recourse to the dentist. In other words they would take the note with full responsibility for collection. Certainly, that is the desirable arrangement for the dentist, if it can be brought about.

With this arrangement, of course, it is necessary for the bank to know before the service is completed what the approximate size of the note will be and who the patient is. To procure this information, the bank likely has a loan application form on which necessary data about the patient can be entered. The dentist then estimates the cost of the service and the bank decides, usually within two

or three hours, whether or not it is willing to make the loan. The bank, by this plan, takes all the responsibility for making collections, as agreed, and most banks will make such notes for 12 months, 15 months, or 18 months.

When Plan No. 2 is used, it is only required that the dentist establish *his* credit with the bank and the bank, in turn, will take notes he endorses. But, if a note is unpaid after a certain length of time, the dentist will be called upon to return the unpaid amount to the bank and take the responsibility for collecting that amount from the patient.

In following Plan No. 3, the dentist takes notes made payable to himself and holds them. When he needs money, he takes the notes, according to the amount he wishes to borrow, and offers them to the bank as collateral.

This plan is the easiest one to operate except that the dentist himself must make the collection. It is easier to get a bank to agree to this plan than to either of the others. However, it should be emphasized that Plan No. 1 is the plan to seek. When it is in operation, the only extra work involved for the dentist is to have his secretary make out the note and loan application and deliver it to the bank.

Plan No. 1 has been used with great satisfaction by a number of dentists with whom I have talked. Doctor Louis F. Moser of Louis-

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**Quick Reference Table To Compute 4% Reserve**

<i>Amount For Dental Service</i>	<i>Reserve To Be Added</i>	<i>Amount To Be Shown On Statement As Unpaid</i>
\$ 1	\$ .04	\$ 1.04
2	.08	2.08
3	.12	3.12
4	.16	4.16
5	.20	5.20
10	.40	10.40
15	.60	15.60
20	.80	20.80
30	1.20	31.20
40	1.60	41.60
50	2.00	52.00
100	4.00	104.00
200	8.00	208.00
300	12.00	312.00
400	16.00	416.00
500	20.00	520.00

ville, Kentucky, told me of an arrangement he has with the First National Bank of Louisville, using Plan No. 1. He explained its operation to me as follows:

"When a patient wants artificial dentures and explains that he is unable to pay cash, we suggest this bank plan. My assistant fills out the application for the loan and telephones the information to The First National Bank. About two hours later, the bank calls back and lets us know whether or not the loan is approved.

"If it is approved, my assistant fills out the note, which can be paid in 12 or 18 monthly installments, and has the patient sign it.

We send the note and application to the bank and receive a check for the amount of the loan less 4 per cent which goes into a reserve to pay bad accounts.

"This plan cannot be praised too highly. It gives the patient an opportunity to obtain the best dentistry and is easier on his pocketbook. This plan averts charge accounts for those who are poor credit risks. It gives me an opportunity to say: 'Mrs. Brown, if you are not able to pay cash for this work, we have arranged a budget plan which you are welcome to use.'

"Not all patients are willing to handle the account through the

bank; some want me to handle the account myself. But after I tell them about the high laboratory fees and explain the inconvenience of carrying accounts over a long period of time, they usually agree to pay cash or handle the account through the bank."

Doctor Edmund N. Barbour of Detroit, Michigan, also uses Plan No. 1. This is his experience:

"I have always been a firm believer in having a definite understanding with the patient in regard to method of payment before treatment is started. A few minutes spent in frank discussion with the patient before the service is begun, to my mind, saves a lot of misunderstandings and money. I have always conducted my practice on a cash basis so, when a patient cannot afford the necessary work, the payment plan is a welcome alternative.

"About 25 patients a year use this plan for necessary extensive dental treatments, the cost of which is too great for the average person to meet all at once.

"Those who object to a payment plan are in the minority. Most people would rather make payments spread out over a year than touch their savings or bonds. Those who object to giving a note to the bank usually have access to the money and end up by paying cash."

The First National Bank of Louisville asks for a 4 per cent reserve account. The Detroit Bank

★ ★ ★ ★ ★ ★ ★ ★

#### ORAL HYGIENE AWARD

This article by JOHN Y. BEATR has won the \$100 ORAL HYGIENE award for the best feature published this month.

★ ★ ★ ★ ★ ★ ★ ★

requires a 5 per cent reserve. In each case, this reserve charge is added to the amount of the statement for the dental services and, therefore, costs the dentist nothing. This is not explained to the patient because the bank retains this reserve indefinitely.

During the 24 years I have been editor of *Banker's Monthly*, I have talked with bankers in all states and with many dentists. On the basis of this experience, I feel sure that arrangements can be made almost anywhere for Plan No. 1. My suggestion is, if the bank with which you are now dealing is unwilling to handle your accounts in this way, that you go to another bank—in another town, if necessary. It is my belief that any dentist anywhere can arrange for Plan No. 1, with either his present bank or another one nearby.

Certainly, the advantages for the dentist are many, and the arrangement is a definite benefit to the patient. The matter should be presented to the patient in that way. For example, the patient might be told: "Mrs. Brown, your work is going to entail quite an expense and I feel that you would like to know what the cost will be. This is

a fairly possible for the ing you may pl is not c borrow I have a Nationa applica tients. ranged period If you use the secretar form ar complet and pa month."

"AS WE that tho and not apply to not simi and cert as the o diploma monly k this posi soever. I warn ou dentists Associat tistry for one."—Children

a fairly good estimate, but it is possible, as the work progresses, for the amount to change. I'm giving you an estimate because you may plan to pay cash; or, if that is not convenient, you may wish to borrow the money from the bank. I have arrangements with the First National Bank to send them loan applications for any of my patients. The payment can be arranged in smaller amounts over a period of 12, 15, or 18 months. If you think you would like to use the payment plan, I'll have my secretary fill out an application form and, when the treatment is completed, you can sign a note and pay a small amount each month."

While there are many dental patients who pay cash, there are those who really need the service and whom you would like to serve, but who find it much more convenient to pay their bills in monthly installments. For this reason, it is well worth your while to visit your banker to see if he will do your collection work for you on the basis of Plan No. 1; whereby you are paid immediately in cash and have no further responsibility for collections. In consulting your banker, tell him with confidence that this plan is used successfully in a number of states.

*Wee Thistlebrae Farm  
Crystal Lake, Illinois*

#### THE CHILD BELONGS TO EVERYONE

"AS WE SEE it, children are people; and, since it is commonly accepted that those who do general practice for adults are just plain dentists and not specialists, diplomates, or certificants, the same idiom should apply to those who do general practice for children. Otherwise, why not similarly call dentistry for adults a specialty and establish diplomates and certificants in that? The one would be just as senseless and illogical as the other. What the children of our country need are not specialists, diplomates, or certificants, but just good general practitioners, commonly known as plain dentists. Until we are convinced to the contrary, this position we firmly maintain without compromise of any kind whatsoever. In sacred behalf of the health and happiness of every child, we warn our colleagues to stop, to look, and to listen. We urge our fellow dentists to leave no step unturned in having the American Dental Association rescind its potentially disastrous pronouncement that dentistry for children is a specialty of practice. *The child belongs to everyone.*"—*The Bulletin of the New York State Society of Dentistry for Children.*

# A Dentist Speaks to Congress



## *Pennsylvania man warns of nutritional dangers in refined, processed foods.*

DOCTOR FRED D. Miller, a dentist of Altoona, Pennsylvania, appeared recently before a special committee of the House of Representatives which has undertaken an investigation of the use of potentially harmful chemicals in the processing and preservation of foods. Doctor Miller, who was the first dentist to be heard, pointed out to the legislators the close relationship between dental caries and the use of refined foods and carbonated drinks:

"Dental caries is the most prevalent disease known to civilized man. At least 98 per cent of the population of this country suffers

from this disease. Doctor Harold Hillenbrand, secretary of the American Dental Association, has reported that there are 285 million cavities in the teeth of our child population, and in the teeth of the adult population 235 million cavities—a backlog of over half a billion cavities. These findings are the result of exhaustive surveys.

"We have in the United States more than 75,000 dentists who cannot possibly keep up with the velocity of dental caries, to say nothing of the other dental diseases which include the destruction of the bony support of the teeth and the diseased gum conditions.

"The placing of restorations in cavities in teeth is not the answer to this serious problem. We must strike at the cause. It is the opinion

of those of us who have been successful over a long period of years in controlling dental caries that a sound nutrition is the best method of combating caries and the destruction of the supporting bone structures. We know from our years of clinical experience that this can bring results; where we have been able to get patient and parent cooperation, we have been eminently successful in controlling dental disease.

"By a sound nutrition, we mean a diet that contains all the essential nutrients which include all natural foods that have not been tampered with by man for profit—whole natural foods, good biologic proteins, carbohydrates, minerals, and vitamins. We are particularly interested in seeing to it that processed and refined foodless foods are eliminated from the diet. By that we mean processed and refined cereals, including white flour and its products, refined breakfast foods, soft drinks and carbonated or cola beverages, the latter two of which contain phosphoric acid. This acid has been shown by Professor Clive N. McCay and others to produce etching of the enamel, which in turn renders the tooth more susceptible to the attack of Lactobacilli, which are always present when the environment of the teeth is favorable to their growth. These conditions can only occur when the carbohydrate or sugar content of the saliva creates a favorable media for Lactobacilli.

"Incidentally, the United States is essentially an importer of refined sugar. Every 100 pounds of sugar in import displaces 100 pounds of milk or about 500 pounds of potatoes in our diet. This certainly does not help our own agriculture. Sugar is not a necessary article of diet; it is not a food essential. Neither is refined flour; it, too, is a foodless food. Both of these luxuries and soft drinks should be taxed (like whiskey and cigarettes). This would make people realize that these foodless foods are not essential, in fact are detrimental to the future physical well-being of our people. The contents of soft drinks should be written plainly on the label—say for example that the bottle contains  $4\frac{1}{2}$  teaspoonfuls of refined sugar and a certain percentage of phosphoric acid. This will serve to educate the consumer. He should at least be privileged to know what he is drinking and most certainly and positively the soft drink beverage industry should be urged to find methods of reducing the pH or acid content of their beverages and to adopt some new way of sweetening the drink so that it will not be detrimental to the teeth, the stomach, and to the general physical structure. They should gladly cooperate—and I believe they would if they were informed as to what they are doing to reduce the stamina of our boys and girls.

"There is a new sweetening

chemical on the market, sucaryl sodium, which, I understand, is not detrimental to the human organism. This may be the answer! Something must be done soon; *soft drinks are keeping our American youth soft.*

"During World War II, I was on the Medical Advisory Board in our community. In the first draft of the first million men, there were 188,000 men rejected because they could not meet Selective Service dental requirements: six upper teeth, and six lower teeth, opposing. During this time, I examined thirty-nine patients to determine if they should be accepted. Most of them were rejected—the officials found out that if they insisted on these requirements they could not get an army,

so they threw out dental requirements and took men if they had an upper and a lower jaw.

"In World War I, Army dentists made virtually *no dentures*. In World War II, the *peak month* for the *Army dentists alone* was 102,000 dentures. Think of that!

"Now do you know why I am vitally interested in improving the health, the physical vigor, and the well-being of our children?"

Following this statement, Doctor Miller presented colored slides showing specific cases of dental disease which had been traced to the nutritional deficiencies and conducted an open forum for the congressional committee.

1112 Twelfth Avenue  
Altoona, Pennsylvania

#### WHY DENTISTS ARE INTROVERTIVE

1. In college they deal with inanimate objects and forget about people.
2. They operate on teeth and forget live, pulsating patients.
3. They fill cavities and forget about filling the reception room and the appointment book.
4. They develop contacts for "fillings" and forget contacts with people.
5. They develop research in materials and forget research in social fields.
6. They develop polish for restorations and forget polish for themselves.
7. They develop unit practices and forget group contacts.
8. They become absorbed in personal problems and forget that patients do the same thing.—Charles Kendall, *The New York Journal of Dentistry.*



# Recording Conversation

## in the Dental Office

BY MARIE FRANCES MEANY

*Analysis of recordings of dentist-patient conversation proves to be a profitable experiment.*

THE PROBLEM of misunderstanding between the dentist and his patients appears to be a difficult one to solve. Complaints are often loud from the patient's side of the fence, but the initiative in acquiring understanding must be taken by the dentist—the practitioner who is willing to take the necessary pains to achieve mutual harmony. To accomplish this, the dentist would have to regard each patient as his *only* one insofar as study of the whole person of that patient is concerned. The dentist who views each patient as an impersonal segment of his daily schedule or a potential bolster to his income can never hope to accomplish this feat. Neither can the

supercilious dentist who considers his dental degree omniscient and his patients intellectually inferior.

An exceptionally capable and thoughtful dentist of our acquaintance undertook to investigate this problem recently; not because his patients showed dissatisfaction with his service, but because he, himself, felt that there was room for improvement in what appeared to be unusually fine dentist-patient relationship in his practice. Indicative of this was one of the comments made by new patients in this vein: "What a pleasure to find a dentist who explains what he is doing!" His first step was to set up a blackboard in his operating room and to illustrate his verbal

explanations of dental treatments. However, the blackboard method proved only slightly helpful in that its use was limited to the one function of illustration. This was not enough.

When one of his patients reported that he was using a sound recorder to "preserve" the fights and bickerings of his children, with the hope of shaming them into reform, this dentist decided to try a recording machine for his dental office experiment. It could be used for research in many directions. It would not provide any direct help to the dentist in his practice, but indirectly it could serve as an aid by acquiring information necessary to his individual improvement.

#### **Indicates Feeling**

In a general sense, the purpose of the sound recorder in the dental office is as an objective form of learning; while its particular purpose is the recording of patient-dentist conversation. It may be said that learning is a combined result of thought, action, and feeling; and that action and thought are capable of separate and more concrete evaluation than feeling. Inherent in any human relationship, feeling is defined by this dentist as "one sense instead of five, but at the same time including all five—a combined operation of all perceptions." He goes on to explain, "Perception of an organism as a whole, culminating in some

activity, cannot have thought or action without feeling." Feeling, we know, is involved in all experience.

So, we must reckon with feeling. By its nature, it cannot be measured by any direct, concrete method, for there is no standard or norm; but the sound recorder can measure, indirectly, the feeling as it is indicated in conversation. Thus, the feelings and intentions you had at the time you talked with a patient can be compared with what you actually said, as heard on the play-back of the sound recorder. Does the idea you had in mind correspond with what you conveyed to the patient? Similarly, careful analysis of the patient's voice in the recording reveals certain traits that are elusive in the quick passage of conversation. Different ways of saying "yes," for example, indicate a patient's understanding or lack of it.

In studying the patient's voice for comprehension, keep in mind the varying degrees of consciousness, a continuum; not different kinds. The sound recorder can catch this; it can pick up the slightest deviation in voice tone or inflection and it is on the tape for analysis by the dentist for as long as he wishes to keep it.

Of course, the sound recorder is an aid to the dentist in the same way it helps the speech student; through exposition of faults in the voice and diction and measurement of improvement, if any. This

is an important factor in dental office relationships. Operating rooms are small and one unpleasant voice would be enough to set a patient's already tensed nerves on edge. So, through the use of the sound recorder, the dentist who seeks to improve his speech, can examine the results of his efforts periodically.

#### Case Presentation

In case presentation, the recorder's value is boundless. It is in this phase of dental practice that the greatest strains in dentist-patient relationship occur. It is here that the patient is most often dissatisfied. Even when a well-intentioned dentist tries sincerely to explain a certain treatment and tell why it is being performed, his efforts can fail, if he is incapable of expressing himself. Or, possibly, the explanation is not sufficiently clear in his *own* mind.

Patients often expect an entirely different treatment from the one you are performing, and any deviation from an anticipated procedure requires some explanation. If the patient is interested and intelligent enough to look ahead and try to understand his dental treatment, he is entitled to an adequate explanation. He will accept the preferred procedure if he understands it. A sound recording of any such situation will help to determine where the trouble lies; and, with a little study, the dentist can see readily what is needed to

correct the difficulty. In any case where the patient is involved, of course, analysis depends on the intelligence and personality of the patient.

An interesting consideration in use of the sound recorder is the large amount of extraneous noise that is picked up. Street noises; automobile horns, street cars, and voices, as well as the usual office sounds, are surprisingly glaring. These underlying noises could have an undesirable effect on the dentist as well as the patient. Normally, the average person is not consciously aware of them. All this is merely hypothesis, but it does enable the curious dentist to formulate the question, "Can background noise seriously affect the serenity of the dental office, through either the patient or dentist?" This question waits to be answered, and sufficient research and analysis might help to establish some interesting theories.

The sound recorder is only a means of research; it proves nothing. But it does provide factual information that could not be had otherwise. The type of machine used by this dentist is compact and small—about the size of a portable typewriter case. It is simple to operate. There is no upkeep to speak of, for the tape can be used over and over. As it records, the previous recording is erased automatically from the tape, which runs from one reel to another, as in a movie projector.

The use of the recorder, of course, is secondary to the dentist's practice, and should never be used if it interferes in any way with dental treatment. In first experimenting with the machine, it was believed that each patient should be told when the recording is being made. However, this knowledge was the foundation of many unreal obstacles for the patient and destroyed any natural spontaneity in the conversation. The machine is so quiet, most people would be unaware of its operation, anyway. It is well to tell the patient after the recording is made, however, in case he does have some objection. If so, it is simple enough to erase the recording. The dentist should be selective in his use of the sound recorder, keeping in mind the personality of the patient, and whether there is need of investigation in a particular case. It is hardly necessary to say that such recordings are privileged communications and must be treated as confidential.

This is just one method of analysis for improvement of the patient-practitioner relationship. The experiment on which this article is based is recent and of short duration. Its greatest benefits so far have been only to the dentist who made it and consequently to his patients. Through its use, this conscientious dentist has been able to learn a lot about himself and his patients, but he feels that there is even more to be discovered. If the sound recorder has been used previously in a dental office experiment, we would be interested to learn how it was applied and just what was achieved by its use. Much is to be gained in self-confidence and satisfaction for the dentist who is willing to spend a little extra time and study toward the understanding of his patients, regardless of his method. His reward will be his patients' reciprocated confidence, trust, understanding, and respect.

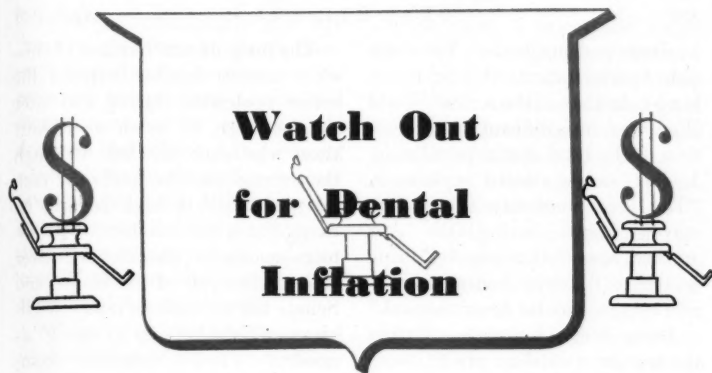
526 Greenleaf Avenue  
Wilmette, Illinois

#### THE COVER

THE SPIRIT of Kansas is reflected in this month's cover photograph, a reproduction of the Pioneer Monument located in a park in Wichita, where the next annual meeting of the Kansas State Dental Association will be held from May 6 to 9, 1951—*Photograph courtesy of Wichita Chamber of Commerce.*

#### NATURE IS BEST GUIDE

"ONE OF THE simplest and most dependable guides in producing natural and pleasing effects is a collection of casts made from patients with pleasing, natural dentures."—*Victor H. Sears, D.D.S.*



*Decisive local action can check the unscrupulous black-market minority in wartime dentistry.*

**BY GORDON DUNCAN**

INCREASING SIGNS indicate that inflationary pressures produced by our growing national defense program will soon reach crisis proportions. With general price levels already breaking all previous records, one need not be an economist to imagine the heights they should reach in months ahead, when military defense and foreign aid expenditures are expected to top an annual rate of \$15,000,000,000, over the third quarter of last year. As consumer goods and services shrink, personal incomes will expand and, of course, dental incomes are no exception.

With total mobilization slated

toward a goal of 13,000,000 men,<sup>1</sup> some 26,000 dentists—or one-third of the entire dental population—will be in uniform. The remaining two-thirds must care for the dental needs of 137,000,000 persons. This will, of course, mean severe dental manpower scarcities in many parts of the country; even in peacetime the demand for professional dental services exceeds the supply. Is there, then, a danger that some civilian dentists will take advantage of people in their communities and exact exorbitant fees totally out of line with the norm?

Of course there is. There are unethical men and women in every

<sup>1</sup>Call To Arms, *Life* 30:14 (January 1) 1951.

business and profession. Yet available figures indicate that profiteering by dentists in the second World War was insignificant in proportion to the total dental population. In fact, as one dentist explains it, "The great majority of us who stayed home during the war worked harder than ever! Putting in ten to fourteen hours a day—and more—was far from unusual."

Every dentist knows that during the war most civilian practitioners were doing as much (and probably more) than their dental colleagues in military service. By gearing their work to wartime needs, *service*—not *profits*—was the incentive which kept them working halfway, and sometimes three-quarters, round the clock, voluntarily. But does every layman know that? No, because a small percentage of dentists followed a different incentive and *did* profiteer. Fortunately, so far as numbers are concerned, this group was an insignificant part of the whole; unfortunately, their effect was far from insignificant! Airline executives are constantly emphasizing that, in relation to number of miles flown, the percentage of accidents is minimal. But they never stop seeking means of making flights safer! Publicity from a front-page story of one plane crash carries more emotional impact for the public mind than reams of cold statistics proving air transportation to be one of the safest modes of travel.

The insignificant number of chisellers among dentists harmed the entire profession during and after the last war, as much as it hurt those who were chiseled. Although the average layman holds the dental profession in high regard, he exaggerates the number of profiteers among its practitioners. After passage last fall of the House and Senate bill to draft as many physicians and dentists up to age 50 as needed, *Time* magazine commented that legislators saw eye to eye because of "bipartisan impatience with 'doctors' and dentists deferred in World War II and trained at Government expense, who had ignored appeals to pay their debt to their country by volunteering . . ."<sup>2</sup>

Of course this group was not at all representative of the profession, but the effect of publicity quite often goes beyond its immediate target. About that same time, the widely-read Scripps-Howard columnist, Robert C. Ruark, was not aiming his fire at the majority of dentists when he said, "To beat a draft and knock off a free medical education is quite a feat . . . I wouldn't weep for (this group) if they all got drafted on privates' pay. They owe us some interest on the loan."

The layman tends to suspect the motives of more than a few dentists, and even tends to lump dentists together with physicians and

<sup>2</sup>Medicine, *Time* 56:88 (September 11) 1950.

\*Profes  
1929-48  
(April)



lawyers indiscriminately and say "they're all after too much money." Actually, the average net income of independent nonsalaried dentists, or some 92 per cent of all dentists, has followed the general economic trend closely for the past two decades; and dental incomes dropped more in depression years than those of physicians and lawyers. Then there was a slow uphill climb until the war years.<sup>3</sup>

Naturally, in wartime, personal incomes of most kinds rose sharply as the number of civilians declined. But what business or profession can survive inflation without a corresponding increase in revenue? Our concern here is with the small group of dentists who take all they can for themselves during wartime inflation. This group should be controlled, if possible, because of its damaging effect on both the profession and the national economy. Is it possible to control them?

#### **Voluntary Fee Control**

Yes, there is one way in which the dental profession can control profiteering and help fight wartime inflation, and at the same time protect the honor of the profession by assuring laymen that dentists are working together and doing all they can to shield the public from profiteering. This method would be a ceiling on professional fees, an idea far from attractive to most

dentists. But, if prices and wages are to be controlled generally, why should dentists not consider doing the same? An effective system of ceilings on professional fees would serve at least to help keep inflationary rises at a reasonably slow rate.

It is impossible to conceive of a workable fee ceiling arrangement being devised and put into immediate operation. The problem has too many implications. For that reason, thorough consideration of the problem should be launched at once. Ceilings on fees will have to take into account such factors as the dentist's source of income, size of community, and type of practice. They all bear on his income pattern, as do the intangibles of skill and time.

Consider the importance of community size alone. During the last war, dental profiteering varied markedly in geographic areas: some had a great deal, others little, some locales had none. Assuming that the same pattern would be repeated in the impending crisis, a mere suggestion of ceilings will naturally provoke resentment among those in the last-named group. And imagine how impractical it would be to impose one arbitrary ceiling for fees on dentists in New England and on those in the Far West, who, according to surveys, had a 66 per cent higher net income in 1948 than the former group, and a net income above that of dentists anywhere else in the country! Obviously,

<sup>3</sup>Professional Income: Lawyers and Dentists, 1929-48, *Monthly Labor Review* 70:398 (April) 1950.

### HOW TO DEFEAT INFLATION

Regardless of imposed regulations, the battle against uncontrolled inflation in this country can be won only through self-sacrifice and self-restraint, according to Guy E. Reed, President of the Chicago Association of Commerce and Industry.

"In the days ahead," said Mr. Reed, "we can win the battle of production and lose for future generations through inflation the opportunities and way of life with which we have been blessed. We must realize that unbridled inflation can undermine our entire business economy."—*Chicago Sun Times*.

then, ceilings cannot be on a nationwide scale; they can be justified only on individual community patterns.

There is another important qualification for effective fee ceilings: they must not be compulsory. Forceful limitation of fees would only conceal inflation, as in World War II with ceilings on food and apparel. Aside from black-market operations, there was a strong reduction in quality, whereby consumers paid no more but received less for their money. The dental profession must not be forced to supply inferior services because ceilings make it more profitable. A patient's purchasing power is effectively reduced when he is forced to buy a denture of second-grade instead of first-grade material. Compulsory ceilings on dental fees would conceal inflation, endanger production, and lower the standard of living.

Probably the most satisfactory arrangement would be an agreement arrived at by the state board of dental examiners in each state,

or the respective boards of health, along with a national Board of Appeals. This would be a select group of respected civilian dentists who would confer with the local groups, through the local dental societies, and work out mutually acceptable ceilings to which members would be bound voluntarily. Besides being voluntary and on a local basis, the ceiling arrangements would include some allowance for raising ceiling levels periodically, in line with cost-of-living changes above a certain mutually accepted date. Otherwise, evasions would follow certainly.

A patient who feels overcharged by a dentist can appeal to the Board. But more important, he would appreciate the sense of protection. The average layman rarely realizes the difficulty of fixing set values on scientific knowledge; yet in this way he would be assured that he need not fear being overcharged. He would be impressed favorably by the placard exhibited in the dentist's reception room stating that "Doctor——— is

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a voluntary cooperating member of the Wartime Committee on Dental Fee Stabilization (or some such title), which has the full endorsement of the American Dental Association."

Such a program would be in the best interest of all dentists and all patients. It would put pressure on the chiselers to join the group, display the placard to public view, and think twice before breaking their code of ethics. If they chose to stay outside the fold, in which case their failure to cooperate would soon be obvious to the laymen in the community, the dental profession would be free of responsibility. Besides doing invaluable service by helping to hold inflation to a slow and safe rate, the program could furnish excellent publicity through its psychology effect—impressing the public that members of the profession are doing their full share as good citizens in the fight against inflation and the policing of their dental ranks.

Does such a program sound too noble, too idealistic? It isn't. It is just a way for the profession to do its share in wartime as honorably as it did in the last war, with one important difference: this time both the public and the profession will be protected from the damage of the profiteering minority, and if the profession does not curtail dangerous public misunderstanding, the trend toward compulsory prepaid dental insurance will be encouraged.

Although the problem is a delicate one, it must be met. Perhaps the plan suggested here can encourage positive consideration of the issue. Is it too hot to handle? Not today, because the majority of dentists value too much the public respect they have earned to allow the unscrupulous few among them to harm their profession's future and to work against their Nation.

409½ Saginaw Street  
Saginaw, Michigan

#### HOOTEN ON ORTHODONTIA

"THE YOUNG LADY afflicted with the condition which is vulgarly called 'buck teeth' requires the ministrations of the orthodontist before she can be a promising candidate for preferential mating. But after such treatment, owing to the consummate skill of the profession, she becomes speciously beautiful, presenting an appearance entirely at variance with her probably genetic constitution. Hence she is chosen by the most desirable males and proceeds to present her husband with bebies of buck-toothed offspring."—E. A. Hooton, *"Men, Apes and Morons."*

# Health Resources of Nation to be Mobilized

*Plan prepared for developing state and local  
civil-defense health services.*

A NEW FEDERAL publication on health service and special weapons defense is now available to the professions and the public under the title, United States Civil Defense.<sup>1</sup> This book not only makes recommendations for a national civil-defense program but offers specific information on how to organize and coordinate health services with the defense program. The entire plan is based on the principle that civil defense is the responsibility, not of the military but of civilians and of their federal, state, and local governments.

This functional plan for civil-defense health services was prepared by the Health Resources Offices of the National Security Board only after it had obtained information from many representatives of the various health professions and had consulted professional organizations, including the American Dental Association.

Emphasis is given throughout

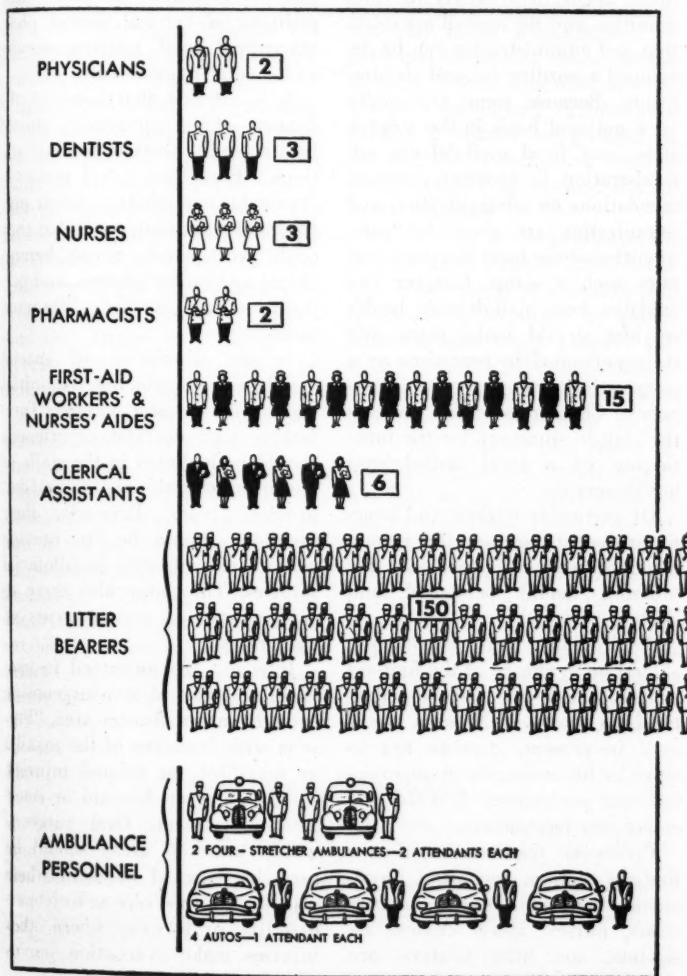
the book to the fact that health services to be effective must be coordinated with all other civil-defense services—adequate fire, police, and rescue service, transportation, water, electricity, and engineering services are intimately tied to satisfactory first-aid and surgical procedures.

Other branches of civil-defense are not, however, as likely to suffer from severe shortages of professional personnel, special facilities, and supplies, as the health services. Planners are urged to keep in mind that, in the event of a war, personnel shortages would become acute because of the requirements of the Armed Forces. The program for civilian health services must be developed on the assumption that military personnel, equipment, or supplies would not be available for disaster relief in wartime. That is why local officials should formulate plans now to make the maximum use of their personnel and supplies.

The Federal Civil-Defense Administration does not attempt to

<sup>1</sup>United States Civil Defense, Health Services and Special Weapons Defense, Federal Civil-Defense Administration U.S. Govt. Printing Office, December, 1950.

# PERSONNEL REQUIREMENTS FOR A FIRST AID STATION



offer an administrative blueprint for action. Rather the book sets forth methods of meeting functional needs in a variety of communities, and the overall organization and administration can be developed according to local requirements. Because some uniformity on a national basis in the federal, state, and local civil-defense administration is necessary, recommendations on administration and organization are given for communities whose local structure permits such a setup. Chapter two explains how civil-defense health services should make plans and train personnel in peacetime as a preparation for any war emergency. Chapter nineteen presents the plan in summary for the functioning of a local civil-defense health service.

Of particular interest and benefit to dentists are specific recommendations made in this book for utilizing dental personnel and skills:

A physician, it is pointed out, should be in charge of the first-aid station, but in his absence a dentist is to take over. When a physician is present, dentists are to serve as his assistants in supervising and performing first-aid and emergency treatments.

Personnel requirements for a first-aid station, including physicians, dentists, nurses, pharmacists, nurses' aides, clerical assistants, and litter bearers, are shown in the accompanying chart.

Special medical and professional services that should be available at all times include emergency noncasualty medical care, pediatric, obstetrical, dental, pharmaceutical, and nursing service and mental hygiene care.

It is advised that most of the dentists of the community should be assigned to work in first-aid stations. "Here they could make an invaluable contribution. Their professional training is such that they could treat shock, arrest hemorrhage, administer plasma, and perform other similar lifesaving tasks."

In the discussion of special health services, during the initial stages of a disaster, dentists (preferably with hospital experience) should be included in the staffs of hospitals, of both existing and improvised types. Primarily their functions should be "to provide care for patients with maxillofacial injuries. They may also serve as anesthetists for certain types of operations."

It is not recommended in general that teams of oral surgeons be brought into a disaster area. "Persons with fractures of the maxilla or mandible, or related injuries, should be given first-aid or emergency treatment. Oral surgeons within attacked areas should be used for care of cases in which injuries are so severe as to jeopardize life, or in cases where other injuries make evacuation impossible."

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A staff college will be developed for top civil-defense planners and administrators, according to present plans of the federal administration. Health service officials will participate in the staff college operations.

Specialized health service courses will provide training in defense against atomic, biologic, and chemical warfare. The first group, 148 physicians from thirty-eight states, has already been trained by the Atomic Commission in cooperation with the Resources Board in the medical aspects of atomic warfare. Other courses—either federal, state, or local—will be available for dentists, veterinarians, and other professional and technical people employed in the health services.

Because of the potential size of the casualty-treatment problem, at least in major metropolitan areas, a separate section for them is recommended. This section's duties would include classifying local physicians, dentists, nurses, and others in civil-defense duties, and arranging for mobilization and as-

signment of these professional people in time of disaster. As to personnel "the section would be headed by a physician, with a dentist and nurse administrator as principal assistants. All surgeons, surgical nurses, anesthetists, and similar specialized professional personnel should be grouped in surgical teams and plans made to assign them to improvised and existing hospitals."

In the interests of prudence, the Federal Civil-Defense Administration is developing a workable plan to cope with an attack by atomic weapons—the worst possible disaster. If the civil-defense health service is prepared to meet such attack, officials reason, it is prepared for anything of a lesser nature. The plan for health service has been set up to relieve suffering and to save lives. Those lives will be saved by individuals, however, not by an organization. The objective of this carefully developed plan is to enable each person to make the most efficient use of his or her special skills at the local level.

#### CAN YOU USE A DOLLAR?

TO EVERY READER who contributes a newsworthy item, something unusual about a dentist, which is published in *Dentists in the News* (see page 515), we will send promptly a crisp, new one-dollar bill. Every clipping must be taken from a newspaper and carry the name of the publication and the date line. Clippings submitted cannot be returned. When more than one copy of a clipping is submitted, the first one received will be used. Send all items to *Dentists in the News*, ORAL HYGIENE, 708 Church Street, Evanston, Illinois.

# So You Know Something About DENTISTRY! ?

## QUIZ LXXIX

1. Is the dovetail cavity preparation indicated in deciduous teeth? .....
2. Barbiturates (a) augment, (b) decrease, (c) have no effect on, the action of analgesics such as aminopyrine, acetophenetidin and acetylsalicylic acid. ....
3. The quality of saliva depends on (a) normal occlusion, (b) nutrition, (c) oral hygiene. ....
4. Which vitamin influences cal-

cium and phosphorus metabolism of the body? .....

5. The standard X-ray machine for dental purposes is adjusted to operate with (a) 25, (b) 3.5, (c) 10, milliamperes of current. ....
6. True or false? In most persons the coronoid process of the mandible is higher than the condyloid process. ....
7. To preserve vertical dimensions more accurately in processing acrylic dentures the (a) compression, (b) injection, method is superior. ....
8. Does boiling water to be used for drinking and cooking serve to control dental fluorosis in areas where the water has excessive fluorides? .....
9. To avoid anesthetizing the soft palate when injecting into the palatine foramen it is wise to inject only, (a) 0.25, (b) 0.50, (c) 1.00, cubic centimeters of solution. ....
10. What are the two essential functions of partial denture saddles? .....

FOR CORRECT ANSWERS SEE PAGE 523

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## Dentists in the NEWS



*Ohio State Journal:* Recently, when the New Post Office of Columbus, Ohio, reached its 16th anniversary, a prominent, civic-minded dentist shared in the celebration. Doctor Homer C. Brown of 1816 Franklin Avenue, Columbus, as chairman of a Columbus Chamber of Commerce committee to obtain a new post office, went to Washington in 1921 to stimulate action for construction of the much-needed new building. His interview with Representative John W. Langley resulted in assurance that there would be an adequate appropriation for Columbus in the next omnibus bill, and in the spring of 1933 the ground was broken for the New Post Office. Postmaster Allen M. Rowe reported that the growing postal needs in Columbus will soon require another larger post office and he is listening carefully to Doctor Brown's suggestions.

*Buffalo (New York) Courier-Express:* At the recent Lakewood Park Open golf tournament at Long Beach, California, Doctor Cary Middlecoff won \$10,000 for a 13-under-par total of 271 for the 72-hole distance. The personable Memphis dentist finished his four-day competition at the Lakewood Country

Club with a 68, three under par, after previous scores of 70, 64, and 69.

*Atlanta (Georgia) Journal:* Doctor Stuart F. Lampe is a busy dentist—too busy, it seems, to take time off for his own wedding. The 1950 Emory graduate had been practicing dentistry for only three months and could not bear canceling his appointments to marry Miss Marjorie Collins, his pretty blond assistant. Finally, a six o'clock appointment provided the solution to their problem. The Reverend Glen Hanie of the Carey Park Baptist Church was scheduled for dental treatment at that time and Doctor Lampe asked him to bring his Bible. The couple repeated their vows after Mr. Hanie right in the operating room only a few feet away from the dental chair. Mr. Hanie's appointment was postponed until the next day.

*Wisconsin State Journal:* Completing her 30th year of dental practice, an 80-year-old Cleveland dentist announced recently that she was ready to go on indefinitely. Doctor Flora Haag still has excellent vision, steady nerves, and good health because, she says, she likes to be with children and young people.

Doctor Haag spends every Monday visiting Boys' Farm at Hudson, Ohio, where, during the last 30 years, she has performed more than 50,000 dental operations.

*Des Moines (Iowa) Tribune:* Ceramic enthusiasts, Doctor Robert H. Killebrew and his wife, on completing a set of dishes at the Des Moines Art Center, decided to make a syrup pitcher, preferably a dripless one. The Des Moines dentist experimented at his potter's wheel. Finally, he modeled a second lip—a curved gully into which the drip would drop, and flow down to drainage holes on each side back into the pitcher. As soon as he saw it, Doctor Killebrew's instructor urged him to patent the idea, saying that throughout

his twenty years in the pottery craft, he had never heard of or seen a dripless syrup pitcher.

After perfecting his model and having his friends test it with anything that would pour or drip, the dentist applied for a patent. Application revealed that Doctor Killebrew's pitcher was being launched in a virgin field, and it is now being produced by a California pottery company in five colors—burgundy, blue, green, yellow, and chartreuse.

*Kansas City (Missouri) Times:* Even embattled Korea fails to dampen the spirit of war weddings. Recently, at Yongchon, an Army nurse and an Army dentist were married in a squad tent in the middle of a dry rice paddy. Standing on a straw mat before an improvised altar with a parachute-cloth background, Lieutenant Anne Donio of Hammonton, New Jersey, and Captain B. M. Prejean of Gretna, Louisiana, repeated their vows before Major Urban Konopka, Catholic chaplain from Pulaske, Wisconsin. After the ceremony, the couple ducked out of the tent as Army doctors and nurses showered them with rice and oatmeal. Then a reception and dance were held near by in a larger, plank-floored tent.

*St. Louis (Missouri) Star-Times:* At 88, William Dickinson of North Adams, Massachusetts, is growing a third set of teeth. According to Doctor A. R. Rosenthal, the process began a year ago and the octogenarian now has three new

upper teeth to add to his eight remaining original teeth. "He's beating odds of two million to one," quipped another dentist.

*Bristol (Tennessee) Herald Courier:* After "a couple of weeks" of toothache, Jamey Ward, 12-year-old Bristol schoolboy, was sent to visit Doctor T. J. Leonard, Jr. Roentgenograms showed what appeared to be a tack embedded in the tooth and extraction verified this. Right through the center of the molar was a five-eighths-inch carpet tack. Doctor Leonard commented that he



"had never heard of such a thing" and believed that the event is unprecedented in that area.

As for the cause of Jamey's condition, it could possibly be traced to the time a few weeks earlier when he helped his grandfather line chicken brooder houses with cardboard and used that kind of tacks. However, Jamey denies that he had any of the tacks in his mouth.

Awards for items published in this month's DENTISTS IN THE NEWS have been sent to:

- Mrs. John Richmond, 5341 Mission Woods Road, Kansas City, Kansas.
- Ruth Reed, 5610 South Waterbury Road, Des Moines, Iowa.
- Mrs. Albert Paepke, Sauk City, Wisconsin.
- June R. Gregg, Box 105, Bainbridge, Ohio.
- Morris Cohen, 1132 Euclid Avenue, Miami Beach, Florida.
- James Schaefer, Co. 7 VAC, Bath, New York.
- P. G. Wright, 104 De Belle Street, Clarkston, Georgia.
- Thomas J. Leonard, Jr., D.D.S., Central Building, Bristol, Tennessee.
- Mrs. Viola Mayall, 5640 a Cates Avenue, St. Louis 12, Missouri.



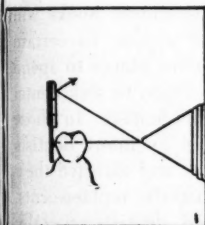
## TECHNIQUE of the Month

Conducted by W. EARLE CRAIG, D.D.S.

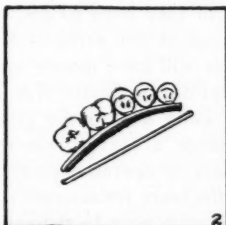
Drawings by Dorothy Sterling

### Open Mouth Technique for Cavity Examination of Posterior Teeth

By GEORGE SCHUGAR, B.S., D.D.S.



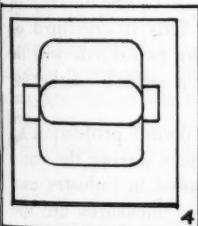
In this open-mouth technique, a lead film holder protects one half of film while the other half is being exposed to Roentgen rays.



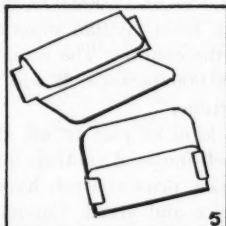
The lead holder bends easily and the film may be pressed into close contact with all of the teeth.



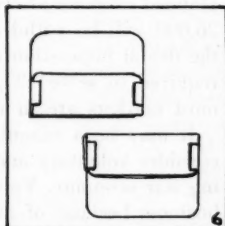
Make the film holder of therapeutic lead. Place a film on the sheet of lead. Draw outline with china-marking pencil.



Move film halfway down on drawing and trace another outline. Add tabs to mid-section as shown. Cut out.



Bend the top third down over the middle third. Hold film in position while bending bottom third and tabs into position.



Expose one half of the film to record lower teeth, then turn film in holder and use the other half to record upper teeth. Have double-thick side of holder toward the rays in both exposures. This technique eliminates gagging.



## EDITORIAL COMMENT

"Give me the liberty to know, to utter, and to argue freely according to my conscience above all liberties." *John Milton*

### CONTROL OF DENTAL FEES IN WARTIME

THERE IS a danger that in a war economy, an economy of scarcity, some dentists will begin to play hard to get. Appointment books will become filled and war-engendered arrogance will appear in certain dental offices. Some people will have money and fewer places to spend it. They will do as they did during World War II—begin to seek dental service. This is to their good and to the good of dentists. In those former war days of affluence, a harvest was reaped by many dentists who declared a moratorium on operative procedures and directed their thoughts and energies to the more remunerative prosthetic replacements.

Even if the dental population were to remain fixed, dentists generally would stand to profit from the inflation, scarcities, and controls of a war economy; but the dental population will be reduced as mobilization expands. With 5,000,000 in uniform by July 1, it will be necessary to divert 10,000 dentists from the civilian to the military population. With planned ultimate armed forces of 13,000,000, dentists to the number of 26,000 will be withdrawn from civilian practice. This is one-third of the dental population of the country. The remaining two-thirds will be required to serve 137,000,000 persons. It will be a seller's market as most markets are in wartime.

It may be a sanguine kind of plea to ask the dental profession to consider voluntary and self-imposed controls and fees during the coming war economy. Voluntary price controls have failed in industry and business because of avarice and greed. Compulsory measures are the only methods to regulate prices, as the Administration has learned the hard and deliberate way. If wages are to be fixed, prices controlled, and corporate excess war profits taxed heavily, there is no reason why limits on income from professional practice should not be fixed by federal legislation. Dentists, physicians, lawyers, and other self-employed professional people, should not be too shocked to learn of proposals to tax excess profits from practice.

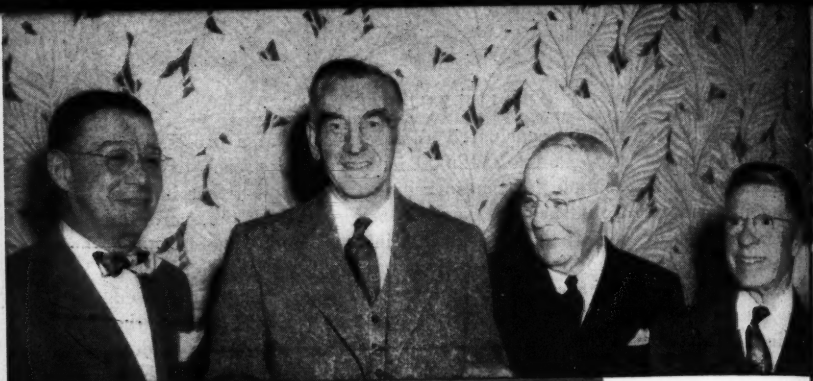


If 1945-50 were to be considered as base years and a professional earner averaged, for example, \$12,000 net income for each of these years, it would be simple for the government to establish that income over this amount would be considered to originate from the scarcities and demands of war. If that is true this income should, therefore, be taxed in the same manner as excess corporate income. Although such a form of control of professional income has not been seriously proposed by the government tax experts, such thoughts have flitted through the minds of some people in Washington who have punitive designs against dentists and physicians. We should not forget that many of the Fair Deal planners are incensed over the way dentists and physicians got out and fought against compulsory health insurance. Vengeance is not unknown to some of these people, and if they can hector and annoy us under the guise of a war emergency they will do so. Punitive tax legislation could be one form of that annoyance.

During the last war when dentists were called into Service, their practices were dissipated and their offices were taken over by dentists who remained at home. When these men were in Service, they complained darkly and derisively of their colleagues on the "home front." When they returned to their own communities and found office space unavailable and former patients satisfied in their new relationships, there was loud lamenting. Many dentists who served before will be required to serve again. The prospects of breaking loose the bonds of practice and vacating an office to which they may not be allowed to return are not pleasant; particularly when such sacrifices come twice in a lifetime.

There is no reason why anyone should profit excessively from a war—and that includes dentists. It would be admirable if the dental profession could work out voluntary fee controls, methods to prevent excessive profits, and means to protect the interests of dentists in military service. If we lack such moral sense, we may expect to see the government supply the force by compulsion.

*Edward J. Ryan*



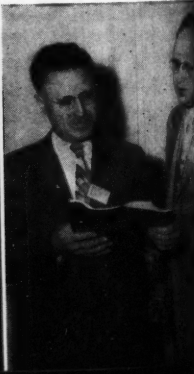
**Portraits  
and Profiles  
Of American Dentists**  
By Howard A. Hartman, D.D.S.

*Ralph A. Sears (left) and Floyd W. Fillars, Vice President of the Iowa State Dental Society; both of Des Moines.*



*Past-Presidents of the Iowa State Dental Society, left to right: Mort Henkin, Sioux City; Joseph B. Kennedy, Des Moines; Roscoe H. Volland, Iowa City; William J. Charters from Des Moines.*

*Ernest A. Sahl, Earlville; and Arthur F. Koch of Waterloo; members of the program committee.*



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amwa (left), President of  
the Iowa State Dental So-  
ciety, 1949-50; and Karl  
L. Hoffman, Algona, Presi-  
dent-elect.



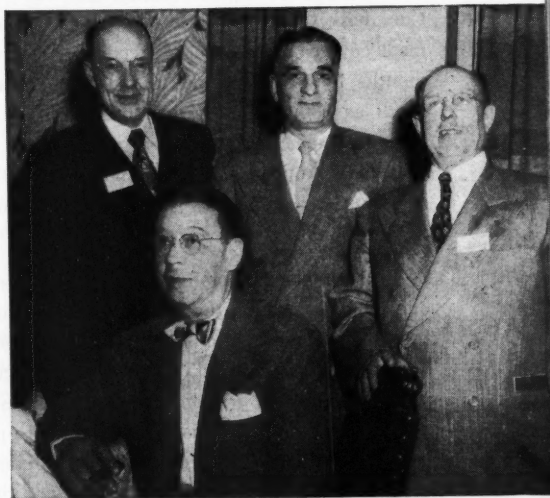
## MEETING

## OF THE

## IOWA STATE

## DENTAL SOCIETY

## DES MOINES



Above right: Front: Mort  
Henkin of Sioux City; rear  
(left to right): Robert L.  
Borland, Hollywood, Cali-  
fornia; Harry M. Ehred,  
Forest City, Iowa; and L.  
V. Feike, Portland, Oregon.

John F. Dwight, Past-Pres-  
ident of the Des Moines  
District Society (left)  
with Clarence L. Fenner of  
Cedar Rapids, Program  
Chairman, 1950.



## DENTISTS CAN QUALIFY FOR SOCIAL SECURITY

DESPITE THE fact that dentists and other professional men and women are not specifically included under the new federal Social Security Act, there is a way they can qualify for a retirement income under this law. According to a booklet *SOCIAL SECURITY EXPLAINED*, just issued by Commerce Clearing House of Chicago, a dentist who takes any employment covered by the Social Security Act for a period of *only* eighteen months, may receive a pension at or near the retirement age of 65 of as much as \$80 a month when he quits this employment. Afterward he may continue his professional activities to whatever extent he wishes. If in his "temporary" position he receives \$3600 per year, his total tax contribution will be only \$81, virtually all of which will be covered by his first month's retirement check.

As the booklet points out, retirement benefits are not payable in any one month in which the beneficiary earns more than \$50 in wages or income from occupations covered by the Social Security Act. Because dentistry is *not* covered, income from practice is not affected by this provision. Neither will income from interest, dividends, or rents stop the benefits. Thus a dentist may continue to practice his profession after he reaches retirement age, and collect dividends from any investment program he may be carrying on, in addition to receiving his Social Security retirement income.

This new analysis of the Social Security Act in relation to professional people is now available under the title *SOCIAL SECURITY EXPLAINED* at Commerce Clearing House, 214 North Michigan Avenue, Chicago 1. The price is one dollar.

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**DO YOU KNOW SOMETHING ABOUT DENTISTRY!****ANSWERS TO QUIZ LXXIX (See page 514 for questions)**

1. No. (McBride, W. C.: *Juvenile Dentistry*, ed. 4, Philadelphia, Lea & Febiger, 1945, page 140)
2. (a) augment. (Accepted Dental Remedies, ed. 15, American Dental Association, 1950, page 157)
3. (b) nutrition. (Fosdick, L. S.: *Theoretical Considerations Concerning Caries Control*, Amer. J. Pub. Health **38**:979 [July] 1948)
4. Vitamin D. (Leicester, H. M.: *Biochemistry of the Teeth*, St. Louis, C. V. Mosby Company, 1949, page 193)
5. (b) 3.5 (Richards, A. G.: *Roentgenographic Technics Made to Order*, JADA **39**:400 [October] 1949)
6. True. (Sicher, Harry: *Oral Anatomy*, St. Louis, C. V. Mosby Company, 1949, page 62)
7. (b) injection. (Skinner, E. W.: *Acrylic Resins: An Appraisal of Their Use in Dentistry*, JADA **39**:268 [September] 1949)
8. No—the procedure is valueless. (Pelton, W. J.; and Wisan, J. M.: *Dentistry in Public Health*, Philadelphia, W. B. Saunders Company, 1949, page 147)
9. (a) 0.25 cc. (Thoma, K. H.: *Oral Surgery*, Vol. 1, St. Louis, C. V. Mosby Company, 1948, page 30)
10. (a) Carry the artificial tooth replacements and supply the associated missing structures. (b) Aid in distribution of occlusal stresses. (Grossman, L. I.: *Handbook of Dental Practice*, Philadelphia, J. B. Lippincott Company, 1948, page 374)

**IMPORTANCE OF ORAL FOCUS OF INFECTION**

CERTAIN ORAL lesions are maintained by foci located within the oral cavity, as in the case of Vincent's infection. The most common oral focus is located in the periodontal tissues, and is revealed by gingivitis, periodontal disease, or pericoronal lesions. There may be clinical evidences of such infections, but the only way of locating them is by X-ray.

The periapical granuloma has been recognized for some time as an important oral focus of infection. Edentulous areas may contain residual areas of infection or retained root fragments. In each case, roentgenograms should be made for accurate diagnosis.—*The Bulletin of the Cleveland Dental Society*.



Please communicate directly with the department Editors, V. Clyde Smedley, D.D.S., and George R. Warner, M.D., D.D.S., 1206 Republic Building, Denver, Colorado, enclosing postage for a personal reply.

#### Prosthetics for Children

**Q.**—What is the earliest age at which it is considered safe to insert permanent bridgework for a child? In this case, the upper right central incisor was lost some years ago and the patient has been wearing a temporary denture since then. She is now fourteen and mature physically.

I plan to construct a porcelain jacket on the left central, supporting a pontic; or a three-quarter inlay on the left central and a pontic with a small rest on the right lateral.—A.C.R., New York.

**A.**—There can be no hard and fast rule as to the age at which it would be safe to make a bridge abutment on a maxillary central incisor. If the left central in your case has had one or two Class III restorations for a year or more, and the roentgenograms show a

relatively small pulp; probably it would be safe to make a conservative inlay preparation now. If the tooth has had no restorations or if the pulp is fairly large, it would not be safe to make a bridge abutment preparation, in my opinion, for three or four years.

If you will send me a roentgenogram of the left central I will be glad to read it for you and give you my opinion on the present position of the pulp.—GEORGE R. WARNER.

#### Malocclusion

**Q.**—I have a patient, 14 years of age, whose lower incisors occlude against the gingivae just posterior to the upper incisors. This causes an indentation in the gingivae. I should like to know your method of treatment.—E.L.P., Alabama.

**A.**—A simple and effective way to treat such a condition is to make a palate-fitting acrylic splint with a shelf or table for the lower anterior teeth to occlude against so as to throw the posterior teeth completely out of occlusion.

This should be worn day and night with the result that the lower anterior teeth will be shortened or intruded somewhat and, at the same time, the posterior teeth will be elongated. If the upper anterior teeth are retruding or cupping back at the incisal edges, the palate-fitting splint should contact their lingual surfaces and will have a tendency to push them forward and straighten them up. If, on the other hand, the upper anteriors



are protruding, the acrylic should be cut away back of these teeth permitting them to retrude.

This condition is likely to develop because of pressure from resting the chin on the palm of the hand. If this is the case, the habit should, of course, be broken.

—V. CLYDE SMEDLEY.

### Thymol Sterilization

Q.—In using thymol as a sterilizing agent, what concentration do you use, and with what do you mix it? A saturated solution with water seems weak, as it only takes 1 gm. of the crystals for 1000 cc. of water.—E.P.D., Minnesota.

A.—Day recommends full strength thymol for cavity sterilization, and he has found that thymol crystals melt at 51.5 C. He noted that "a few crystals will remain in the porous dentine if the liquid is blown out with warm air, but the cavosurface margins will be free."<sup>1</sup>

A saturated solution of thymol and chloroform is desirable for application to a cavity for its sterilizing effect. The solution can be applied with a cotton pellet or picked up between the points of cotton pliers and carried into the cavity.—GEORGE R. WARNER.

### Denture Difficulties

Q.—You have written a great deal about using red and ivory disclosing wax in adjusting dentures. Would you tell me, if possible, how to "read" such a denture? For example, occa-

sionally, when the patient closes on the denture where the ivory wax is applied, the whole tissue surface of the lower denture becomes bare except at the periphery, where all the wax is concentrated. Does this mean that the entire bare surface has to be ground with a stone?

While applying the red wax to the occlusal surfaces of the teeth, the patient may move his jaws laterally, causing the center of the teeth to become bare and leaving the red wax on the cusps. In this case, do you grind the bare surface of the teeth?

Could you also tell me what causes an upper denture to fracture in the center? How can this be prevented? The fracture occurs in acrylic dentures.

Often a patient with full upper and lower dentures will come in and complain that, "My teeth are dull; I cannot chew with them. Can you sharpen them?" The dentures are satisfactory in all other respects. What causes this condition, and how can it be corrected? —H.B.S., Massachusetts.

A.—In the case you describe where the ivory disclosing wax is displaced uniformly over the whole tissue-bearing surface of a denture, I would say that you have achieved a perfect fit and should not grind this surface at all.

If I understand your use of the red disclosing wax on occlusal surfaces, I would say yes, grind the bare spots until they are well distributed and indicate a uniform, well-balanced occlusion. Of course you should be certain that the bare spots are not caused by the adhesion of some red wax to the opposing cusps. In my technique, I apply the red wax to the occlusal surfaces of the lower teeth only and lubricate the upper teeth with

<sup>1</sup>Day, H. W.: Thymol in Cavity Sterilization, JADA 31:605-615 (May) 1944.

the patient's saliva or a lubricant to prevent the wax from adhering to them.

I think I minimize the number of split upper dentures in my practice by setting and grinding the teeth so that the heaviest occlusal stress comes on the upper lingual cusps which minimizes the leverage stress across the palate.

When patients complain that their porcelain teeth are dull, I take a small knife-edged diamond stone; have my assistant hold a towel under my hand holding the denture; and throw a stream of water on the stone while I grind grooves and sluiceways into the teeth. This usually helps some.—V. CLYDE SMEDLEY.

#### **Extraction Hemorrhage**

Q.—Just what medication should be given to a patient who suffered severe hemorrhage following the extraction of several teeth a few months ago?

Now, this young woman requires a full-mouth extraction. I want to give her vitamin K, but am in doubt as to the dosage and the amount of time prior to extraction it should be given. She will have several teeth extracted each week. If use of vitamin K is not advisable, what would you recommend as a substitute and as a method of administration?—E. W. J., Pennsylvania.

A.—Vitamin K comes in one-dose ampules. It is most effective

when administered from 12 to 24 hours prior to extraction. Vitamin K acts through liver stimulation, and may be harmful to a patient with a diseased liver.

Recently we have been using koagamin, which acts more promptly and with less possible harm.—V. CLYDE SMEDLEY.

#### **Acrylic Allergy**

Q.—Are there known cases of persons allergic to dentures made of acrylic resins? If so, would you please state the frequency of such occurrences? Also, what material would you substitute for acrylic, if an allergy exists?

In addition, I should like to know what clinical manifestations would be observed in the mouth, or elsewhere on the body, in case an allergy to a denture material exists.—H. W. B., Illinois.

A.—I am not sure that I have ever seen a case of acrylic allergy where pure methyl-methacrylate monomer and polymer were used and where the material was cured fully. Where tissue congestion or irritation occurs under a denture I am inclined to search diligently for some other cause than allergy to acrylic; for example, failure on the patient's part to keep the denture scrupulously clean, a rough or unglazed or unpolished denture surface, or vitamin deficiency in the diet.—V. CLYDE SMEDLEY.

#### **IF YOU ENTER MILITARY SERVICE**

IF YOU ARE CALLED to military service, please be sure to send us your new address, and address changes as they occur, so that we may continue to send you ORAL HYGIENE. Please address ORAL HYGIENE, 1005 Liberty Avenue, Pittsburgh 22, Pennsylvania.

**Steele's**

**New**

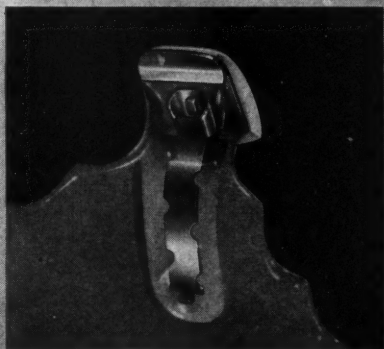
## **DENTURE BACKING**

**with adjustable reinforcing bar**



### **PREVENTS BREAKAGE**

**... of plastic partial  
dentures like this —**



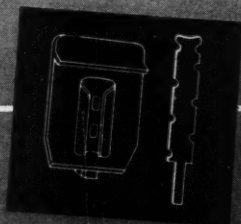
In plastic partial dentures the thin, small area of denture material supporting an *isolated* tooth rarely has adequate strength.

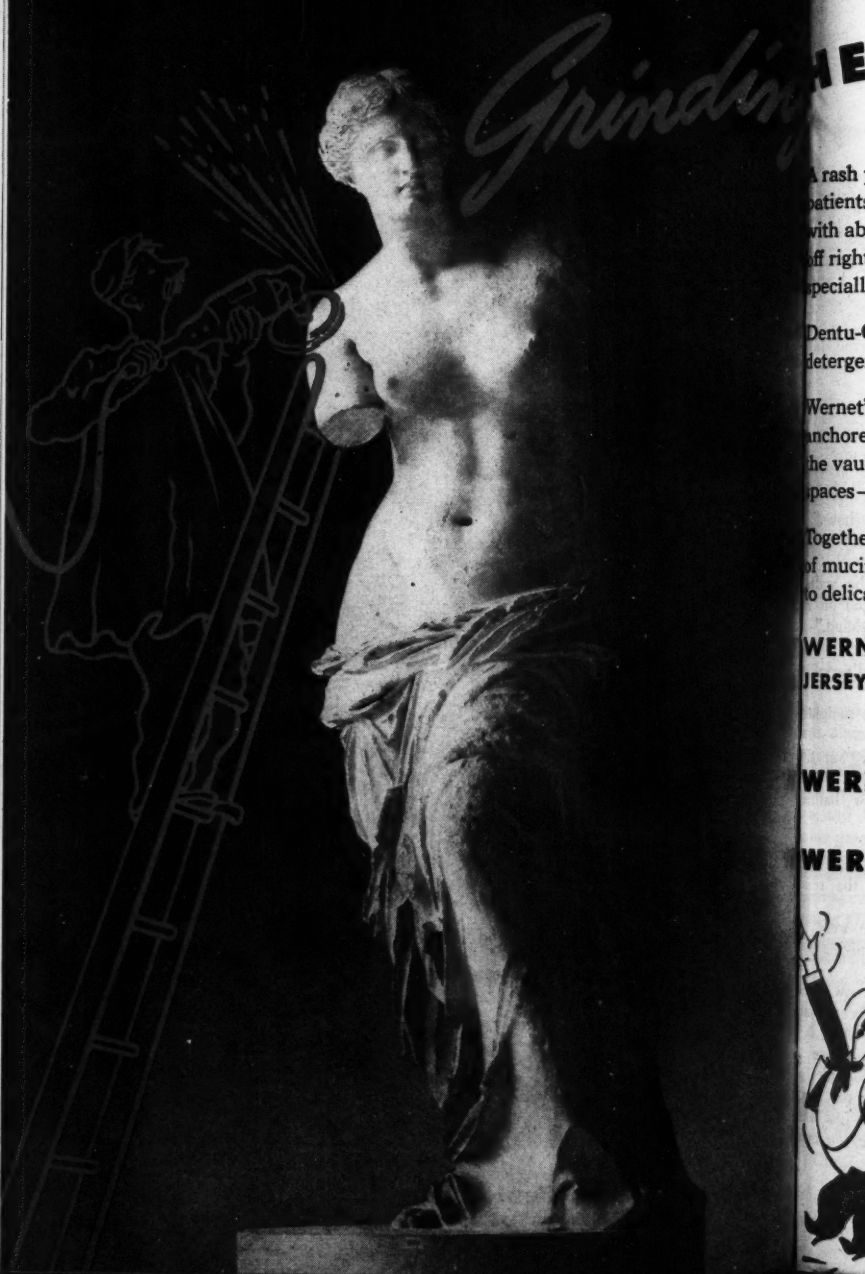
Steele's new DENTURE BACKINGS have an adjustable reinforcing bar which is embedded in the denture material at this critical area — adding strength and rigidity.

These new Steele's DENTURE BACKINGS are supplied either for Steele's Flatback, or Steele's P. B. E. facings. Denture material finishes at a shoulder on the lingual of the backing. The technic is simple.

*Drop us a postal card asking for  
Steele's "Denture Backing Technic."*

**The Columbus Dental Mfg. Co.  
Columbus 6, Ohio**





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# THE VENUS DE MILO?

A rash procedure—its classic contours would be ruined. Many denture patients, however, are equally indiscreet in cleaning expensive dentures with abrasive or inefficient household cleansers. You can start them off right, by suggesting Wernet's Dentu-Creme and Wernet's Plate Brush—specially prepared for safe, efficient denture cleansing.

Dentu-Creme is smooth, absolutely non-injurious, and an excellent detergent. Its special polishing agent renders it ideal for use on acrylics.

Wernet's Plate Brush provides two groups of bristles individually anchored-in for long life—a black bristle section for use on the ridge and the vault, and a white bristle section for the teeth and interproximal spaces—conforming to professional specifications.

Together, they provide the perfect combination for thorough removal of mucin plaques, food particles and stubborn stains...without damage to delicate surfaces or fine ridges.

**WERNET DENTAL MFG. CO., INC.**

**NEW JERSEY CITY 2, N. J.     Dept. 3-D**

## **WERNET'S DENTU-CREME AND WERNET'S PLATE BRUSH**







"Did my wife say anything over the 'phone when you told her I'd be detained at the office and wouldn't be home till late?"

"Yes, she said, 'Can I depend on that?'"

"Papa, what is the person who brings you into contact with the spirit world called?"

"A bartender, my boy."

Miriam had not been doing very well in history, although her marks in every other course were high. One day she was called into the professor's office for a conference.

"I'd do anything if I could pass, professor, anything at all."

"Anything?"

"Yes, anything."

"Are you sure?"

"I just have to pass, professor. Yes, I'd do anything."

"Hummm, what are you doing Friday night, Miriam?"

"Why, nothing at all, professor."

"Well, Miriam, I think you might do a little studying."

She was only an architect's daughter, but she had designs on everybody.

She: "I want a lipstick."

Clerk: "What size, please?"

She: "Three rides and a house par"

"Henry," puffed the fat old man plaintively as her husband failed to assist her onto the street car, "you ain't as gallant as when I was a gal."

"I know, Toots," puffed Henry, "you ain't as buoyant as when I was a boy."

While on his vacation, the zoo director received the following note from his chief assistant:

"Everything all right except the monkey seems to be pining for a companion. What shall we do until he returns?"

Customer: "I want a close shave."

Barber: "You just had one."

Customer: "How's zat?"

Barber: "That big guy who walked in just as you took your hand off the manicurist's knee is her husband."

She: "I'm so discouraged. Everything I do seems to be wrong."

He: "What are you doing tonight?"

Sue: I shall spend my vacation fishing.

Mae: Then why the new bathing suit?

Sue: That's my bait.

State Politician: "How's the sentiment out here?"

Farmer: "Not bad. There were no cars parked in my lane last night."

Official: "I suppose you know something of the duties of the office we are to give you?"

Applicant: "Oh, yes. They are to come late, do as little as possible, go home early, and never miss a pay day."

Official: "You're o.k. You're just what we are looking for. I can see you must have held office before."



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Established 1895

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Kindly send **FREE** and without obligating me in any way:

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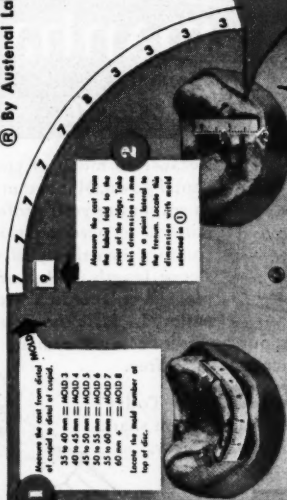


**Now!**

you can select the proper tooth molds for a patient in your office in 3 minutes or less with the **INSTANT MOLD SELECTOR** for **MICROMOLD® TEETH**



By Austenal Laboratories, Inc.



**INSTANT MOLD SELECTOR**

**3**

These are the required molds that will meet the dimensional requirements. See page number in booklet for actual size photographic reproduction. (Mold numbers in red are available in porcelain and plastic.)

*Micromold® Teeth*

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- IT'S NEW
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a copy of the **INSTANT MOLD SELECTOR** is waiting for you.

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**HERE IS ALL YOU DO TO SELECT MOLDS AND SIZES:**



**TAKE TWO DIMENSIONS OF THE  
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**SPIN THE DIAL TO FIND THE MOLDS  
THAT ARE DIMENSIONALLY  
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- 1 Sets quickly and hard. Easily removed. Sets rapidly in the mouth, slower out of the mouth.
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WITH**XYLOCAINE  
HYDROCHLORIDE  
ASTRA****(Brand of Lidocaine Hydrochloride)**

the new, quick-acting local anesthetic that cuts minutes from the time lag between injection and onset of anesthesia. Anesthetic effect is profound, widely diffused, and well within clinical ranges of tolerance.

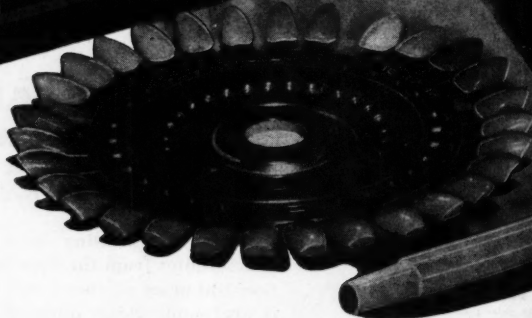
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Dispensed for dentistry in 1.8 cc cartridges, 2% solution available without epinephrine; and with epinephrine 1:100,000 or 1:50,000.



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## S. S. WHITE FILLING PORCELAIN IMPROVED

is the "silicate" that assures accurate color matching.

Ultimate compressive strength, 7 days.....30,000 lbs. per sq. in.

Solubility, maximum 7 days, only 0.9% by weight

Opacity.....0.43 (C 0.70)

Ample mixing and setting time.....4½ Min. 90° F. (37° C.)

More than complies with A.D.A. Specification No. 9

Due to its fluorescence, S. S. White Filling Porcelain Improved absorbs and reflects light rays as they are absorbed and reflected by natural teeth, and restorations made with it will appear like healthy tooth tissue, matching their surroundings perfectly.

*for sale by your local dealer*



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# *Filling Porcelain*

**IMPROVED**

## **7-2 PACKAGE**

**AN ASSORTMENT OF COLORS  
KEYED TO EVERYDAY NEEDS.**

### *Contents*\_\_\_\_\_

- 2 Powders, No. 21
- 1 each Powders, Nos. 20, 22, 25, 26 and A
- 2 Liquids
- 1 Request Card for Color Matching Guide

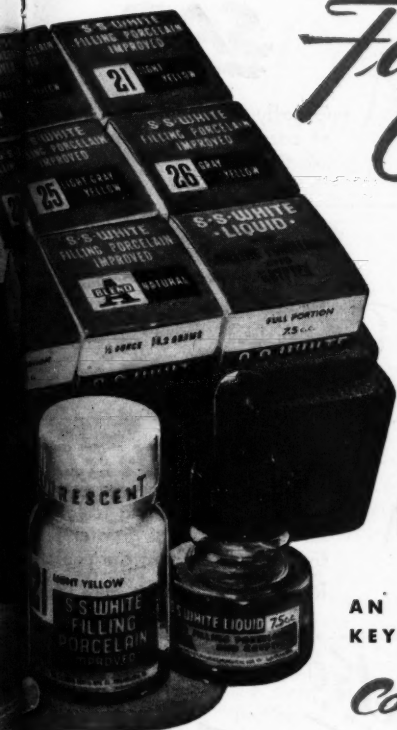
**Packed in a handsome leatherette case with gold  
caduceus imprinted on the lid.**

**VALUE \$23.00    PRICE \$16.00**

**A saving of more than 30%**

**PRICES SUBJECT TO CHANGE**

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For those who do not require as many  
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**Contents:**

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- 1 Liquid

**VALUE \$10.00    PRICE \$8.35**

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## MAKING MAGIC OUT OF MOUNTAINS!

### SAD



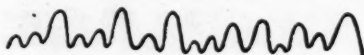
Greatly magnified view of surface of case, as cast, shows mountain like this . . .

### SMEARED



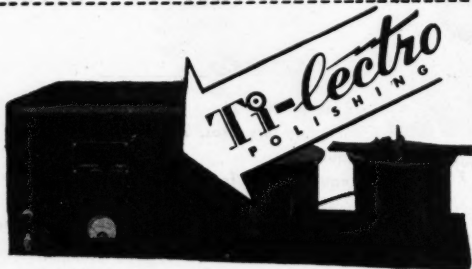
Mechanical polishing smears the surface like this . . .

### SMOOTHED



TI-LECTRO polishing cleans the surface and gets greater reflectivity by smoothing the peaks.

Result: Cases have new, lasting brilliance, better fit.



Look FIRST to:

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I WOULD LIKE A TI-LECTRO "NEW" FOLDER  
WHICH TELLS ALL ABOUT TI-LECTRO POLISHING.

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## MOUTHWASH CONCENTRATE



DEVELOPED by a practicing dentist, Astring-O-Sol® is an ideal mouthwash concentrate for use in your practice—a rinse that patients really like.

For daily personal use, Astring-O-Sol is highly effective in oral hygiene... a prompt and positive deodorant, antiseptic gargle, astringent gum massage... it has many, many uses.

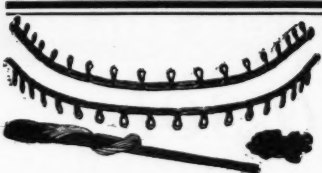
And because it is a concentrate, you can make a mouthwash to suit your own taste... a dash in a glass of water is a refreshing, aromatic rinse... a dash more and it's spicy and tingling.

*On request, we will send you a supply for use at your chair.*

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**REFRESHING...**

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**Keep a Few Sets on Hand!**

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EASILY REMOVED  
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As jaws are immobilized by rubber bands, patient can gain freedom in case of nausea or coughing by slipping off bands.

Each set includes 2  
Arches, Ligature Wire,  
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18 Kt. Cased Gold  
\$15.00

Special Nickel Silver  
Clinic Unit  
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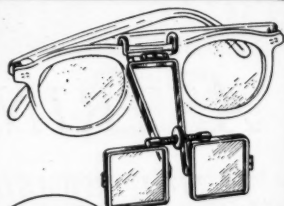
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Write for Booklet  
describing complete  
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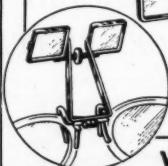
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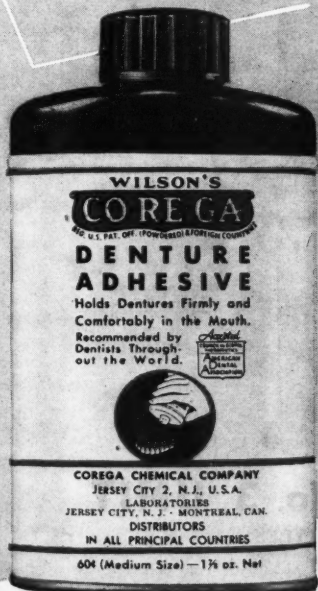
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Standard as shown

Split set up

For left hand operator

This UNIT has been greatly improved and is now offered complete as shown with ENGINE (less hand-piece), VACUUM BREAKER, SPRAY BOTTLES, X-RAY VIEW BOX, ASPIRATING EJECTOR, CUSPIDOR, CUT-OFF, and BRACKET TABLE in all standard dental colors at . . . . . \$612.00

At slight additional cost: Light, light adapter, Water syringe, Warm air Syringe and Thermo Water Syringe.

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# Give faster pain relief with BUFFERIN

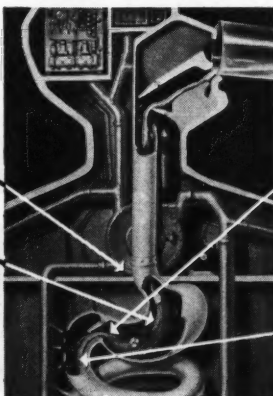


**ACTS TWICE AS FAST AS ASPIRIN**

**WITHOUT GASTRIC DISTRESS!**

**1. BUFFERIN**  
enters the  
stomach here.

**2. BUFFERIN** exerts its  
antacid effect, lessening  
the possibility of  
gastric distress.



**3. BUFFERIN** helps  
dilate the pyloric  
valve, promptly leaves  
the stomach.

**4. BUFFERIN's**  
analgesic component is  
absorbed into the blood  
twice as fast as aspirin,  
relieves pain.

When you prescribe BUFFERIN to your patients you assure *faster relief of pain*. Clinical studies<sup>1</sup> show that within ten minutes after BUFFERIN is ingested, blood salicylate levels are as great as those attained by aspirin in twice this time. That is why BUFFERIN acts twice as fast as aspirin.

BUFFERIN has *greater gastric tolerance*. BUFFERIN's antacid ingredients provide protection against the gastric distress so often seen with aspirin.<sup>1</sup> BUFFERIN, therefore, is especially suited for use when prolonged use of salicylates is indicated.

1. Effect of Buffering Agents on Absorption of Acetylsalicylic Acid  
*J. Am. Pharm. A., Sc. Ed. 59:21, Jan. 1960.*

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In vials of 12 and 36 and bottles of 100. Scored for divided dosage. Each BUFFERIN tablet contains 5 grains of acetylsalicylic acid with optimal proportions of magnesium carbonate and aluminum glycinate.





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### QIK Mixes Like Plaster— Is Manipulated With Ease!

#### SAVE TIME! SAVE EFFORT!

Now you can make strong, rigid, individual impression trays in five minutes—with D-P Qik. There's no waiting for ingredients to go into solution. There's no critical period that must be carefully observed. You simply combine powder and liquid—mixing takes 45 seconds. You shape the plastic mix to fit the preliminary impression model—the tray air cures and is completed in 5 minutes. (Exposure of tray to heat hastens curing—saves even more time!)

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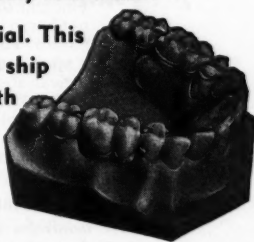
So few people realize the great benefit derived directly or indirectly from the use of the six Platinum metals.

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A rich gold color, non-tarnishing alloy at \$1.78 dwt, \$100 or Laboratory wholesale rate \$1.58 dwt.

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## STERODENT Cleanser

Make **Sterodent** your prophylaxis assistant! It cleans and polishes in one operation... does not harm teeth... clings to brush, won't spatter... works fast, conserves time, costs little!

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**Nothing  
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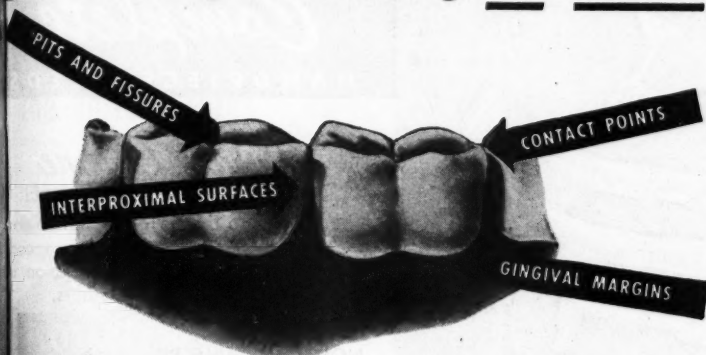
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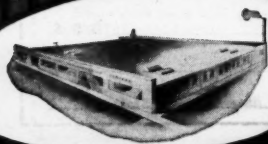
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Dentifrice to be awarded a patent by  
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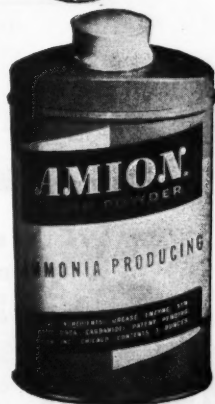
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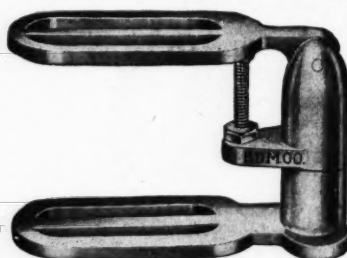
Recommend AMION, the Improved  
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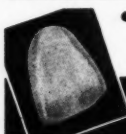
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Simple, practical and extremely popular. Anatomically correct. Useful for full or partial cases. Adjustable for height. Upper plate has backward and forward movement. Sturdy bronze \$2.00.

**A PAIR OF WINNERS****among ARTICULATORS****BDM NO. 10  
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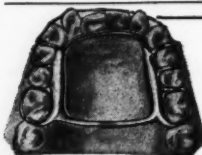
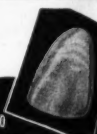
A durable articulator with complete lateral motion. Winged base prevents tipping. Measures  $1\frac{1}{2}$ " between top and bottom plates. Made of bronze castings with brass adjusting screw and nut. \$3.00.

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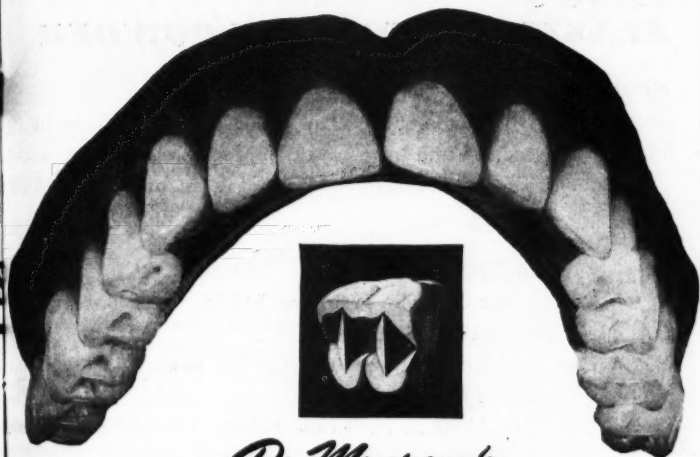
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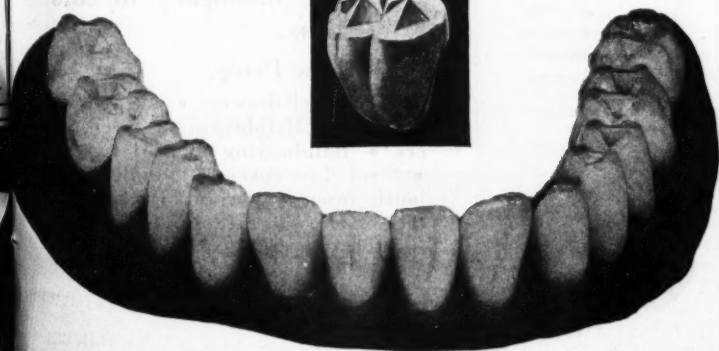
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Pound cans containing half-unit measure for powder and half-unit measure for water:

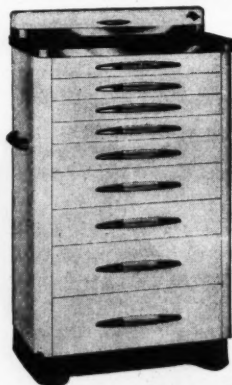
1 can \$4.00 . . . . 3 cans \$11.25 . . . . 12 cans \$42.00

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MOBILE  
Dental Cabinets  
Catalog No. 3040



Price

Zone 1	\$345.00
Zone 2	\$348.00
Zone 3	\$355.00

## You asked for it!

NEW-Size—a space saver.

NEW-Finish—genuine African mahogany in color tints.

NEW-Low Price.

9 wood steel drawers • 5 tray-width drawers • Ball-bearing drawer rollers • Ball-bearing swivel casters • Steel dust covers • Stainless steel bottle insert • Formica working surface • Drawer arrangement to your specifications add \$5.00.

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# THE HEIDBRINK

# Simplex

## THE ALL PURPOSE GAS MACHINE FOR DENTAL ANESTHESIA AND ANALGESIA

The Heidbrink Simplex Gas Machine meets all of the accepted nitrous oxid-oxygen technique for dental anesthesia and analgesia, incorporating both continuous and intermittent methods, including self administration by patient for analgesia, as well as manual control. Simple in operation, economical in consumption, the Simplex has met with the enthusiastic approval of the dental profession.



dependable performance that has always characterized Heidbrink anesthesia equipment is an important characteristic of every model of the Simplex Dental Gas Machine. Highest quality materials and expert workmanship combined to produce a machine that will deliver an even and accurately-measured flow of gas; a machine that will respond easily and promptly to the wishes of the operator, and will provide dependable service over a long period of time.

**Get the Facts.** To make it easy for you to study the value of the Simplex in your practice, we have available descriptive literature that gives complete information on the subject of dental analgesia and anesthesia. This information is yours for the asking. Merely mail the coupon—and then study the opportunity when you receive the complete details.

# Ohio Chemical



PLEASE SEND:

Booklet—"A Simple Story that is making Dental History."

Feebles Chart

Pamphlet: The Principles of Administering Nitrous Oxid-Oxygen.

Heidbrink Dental Catalog.

Information on Post-graduate Instruction

Name

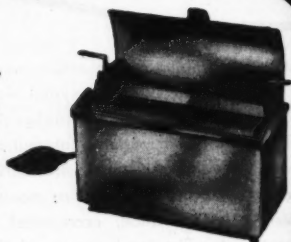
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City  State

## Meet the 8-INCH STERILIZER TWINS!

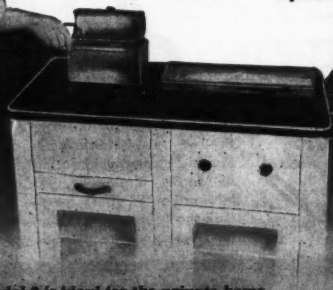
### *I am Model 8-0...*

a mighty handy and efficient unit that both sterilizes and lubricates with **MOR-OIL**. You will find me unexcelled for dental handpieces, contra-angles, forceps, burrs, chisels, mirrors and the many allied instruments that are subject to rust or corrosive damage if repeatedly exposed to boiling water.



### *I am Model 8...*

a compact and dependable **BOILING WATER** sterilizer especially suitable for syringes, needles and the many steel surgical instruments the efficiency of which are not impaired by repeated exposure in the medium of boiling water.



**Model 8 is ideal for the private home** where sterilization of hypodermic syringes and needles employed in the treatment of diabetes and other conditions is required.

#### **TWIN CHARACTERISTICS**

- Chamber dimensions  $2\frac{1}{4} \times 3\frac{1}{4} \times 3$  inches.
- Fabricated of cast bronze, stainless steel and Monel metal, with Fenwal precision thermostatic control unit for accurate temperature maintenance.
- Constructed to permit cover to open full 90° and automatic lifting of instrument tray which may be easily and firmly secured for draining.

Ask your dealer or write us for further information

**AMERICAN STERILIZER COMPANY**

Erie, Pennsylvania



**Easy  
to  
use**



**COE-FLO**

the free-flowing, hard-setting impression cream, enables you to take highly accurate, dimensionally stable impressions *with great ease*. All you have to do is squeeze out equal lengths of the convenient, properly proportioned tubes. Then spatulate, place in a tray, and insert in the patient's mouth. Coe-Flo flows freely to place, sets in place within 3 to 4 minutes in a rigid, non-evaporating impression faithfully recording every detail of tissue. Coe-Flo has NO critical spatulation time. It NEVER has to be forced to place. And after setting it does not have to be poured immediately. To get SURE results simply and easily, use Coe-Flo.

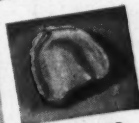
Many dentists also use Coe-Flo as a temporary relining material and for stabilizing base plates in obtaining centric occlusion. Order from your dealer.



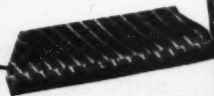
MIXES EASILY



FLOWS FREELY



SETS HARD



Coe Laboratories, Inc., Chicago 21, Ill.

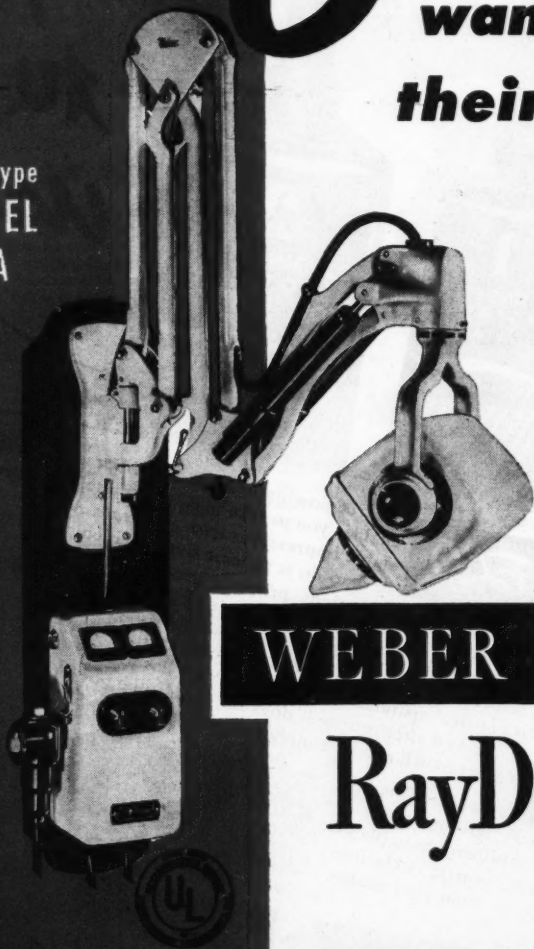
Here are

**6**

features

**want in  
their**

wall type  
MODEL  
6-A



WEBER

RayDex

The WEBER Dental

rel dentists

in  
**RAY**

**equipment**

**maximum protection**

from stray radiation obtained  
from lead shielded X-Ray Tube.

Ask your dealer to explain  
all of the many features of  
WEBER RayDex. You'll be  
surprised and pleased at the dollar  
value this unit offers you. Available  
also in mobile, and in floor types.

**NOW IN COLORS**

WEBER RayDex, and all other WEBER  
equipment comes in ten decorator-selected  
colors. KOLORITE planning helps  
you choose the right colors for your office.  
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The Weber Dental Mfg. Co., Dept. K.

**Manufacturing Co.**  
**Canton 5, Ohio**

**maximum definition**

obtained by a 1 mm square focal  
spot — an exclusive WEBER  
feature.

**maximum output**

obtained by using high quality  
glass and maintaining exact thick-  
ness of glass wall of X-Ray Tube.

**oil-sealed  
tube head**

keeps out moisture  
and prevents "spark-  
over" and "burn-  
out" of tube.

**longer  
tube life**

Tube is capable of  
20 MA @ 70 KVP,  
but X-Ray unit is  
rated at 10 MA at  
65 KVP.

**full year guarantee**

WEBER RayDex unit guaran-  
teed for one full year, including  
the tube.

*Feature for feature,  
dollar for dollar,  
WEBER is the best buy.*



**SAVE WAX-UP  
TIME & GOLD  
with  
JELENKO  
Pre-Formed  
PLASTIC  
PATTERNS**

Introductory Outfit  
\$13.75  
Single Cards \$1.25  
Box of 6 Cards all  
same Pattern \$7.50  
less 10%.

From your dealer.  
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*You just can't STOP*



*using  
Crescent Stopping*

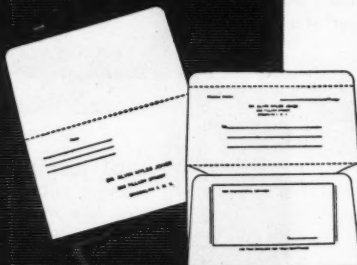


- MADE OF BEST GUTTA PERCHA
- IS NOT MEDICATED
- WILL NOT IRRITATE TISSUE
- LEAVES NO TASTE IN MOUTH

**Crescent DENTAL MFG. CO.**

1839 S. Pulaski Rd., Chicago 23, Ill.

*Here's how Billvelopes\**



THEY IMPROVE  
COLLECTIONS  
10-20 PERCENT

### IMPROVE COLLECTIONS

It's easier and more convenient for patients to make remittances whenever you send "Billvelopes." A "Billvelope" is BOTH a bill (or statement) and self-addressed, reply envelope. Your patients simply enclose remittance - seal - and mail! "Billvelopes" need no addressing and not even postage—if you use a postal permit. Send for a sample TODAY.

OUR PRICE: 1000 "Billvelopes"  
plain printed ... delivered \$12.90

\* Reg. U. S. Pat. Off.

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Gentlemen: Send me actual samples and  
all details on "Billvelopes"

Dr. \_\_\_\_\_



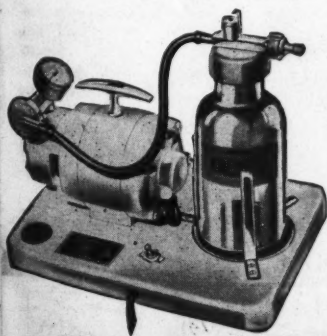
# STRONG SUCTION AT YOUR FINGERTIPS FOR BETTER OPERATIONS

## GOMCO®

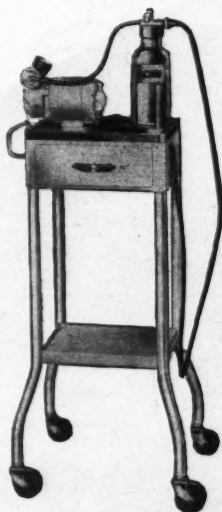
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- Better visibility — because of a cleaner operating field!
- Positive removal of saliva, pus, mucus, bone fragments!
- Increased patient comfort — sponging eliminated, too!

*Write Today for New  
Bulletin H-51*



Left,  
Gomco  
No. 789  
Portable  
Aspirator  
—only  
18 lbs!

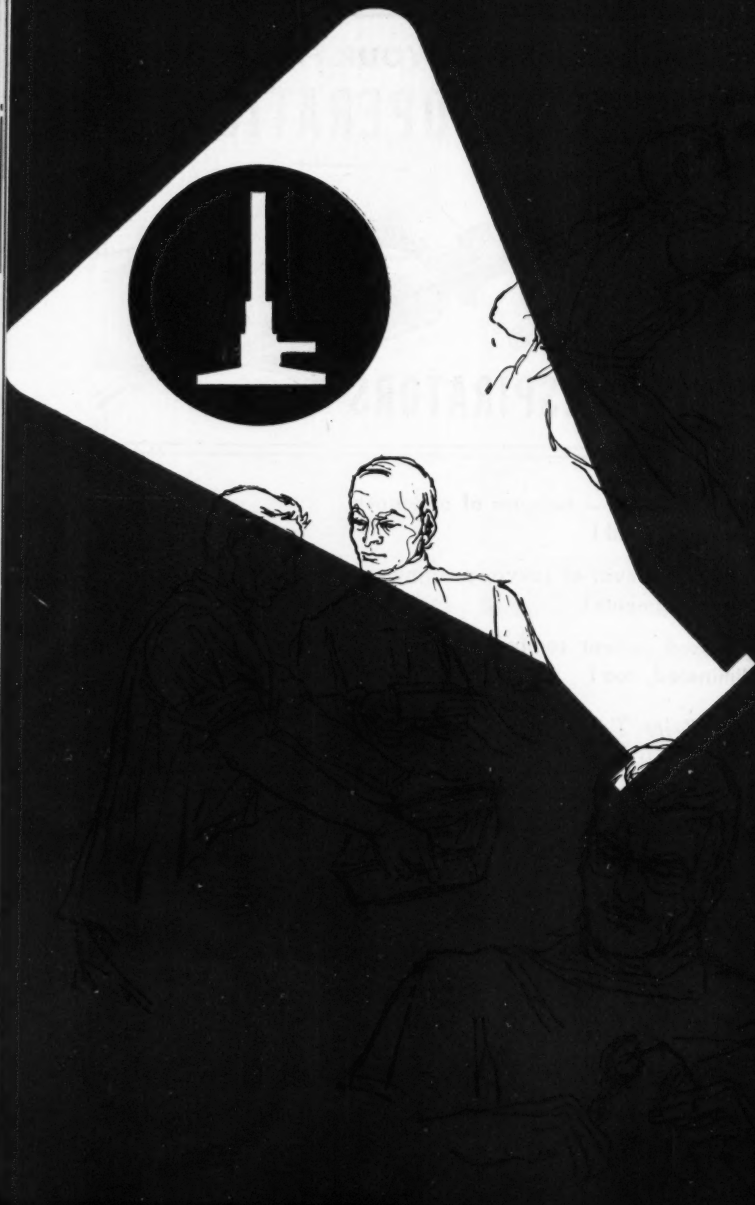


Above, Gomco No. 790  
Stand-mounted Mobile  
Dental Aspirator.

**GOMCO SURGICAL MANUFACTURING CORP.**

822D E. Ferry Street

Buffalo 11, N. Y.



Lucitone is the trademark of the acrylic denture material.

XUM



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For today's busy dentists,  
laboratory service is indispensable.  
And as a result of continuing scientific  
advances, laboratory service  
is now better than ever. Take,  
for example, the advances made by Caulk  
in *Lucitone*. More than ever, *Lucitone*  
gives your laboratory the physical  
properties and the *uniform composition*  
to assure success in every denture.

Be thankful  
for  
the  
**SKILL**  
of your **LABORATORY!**

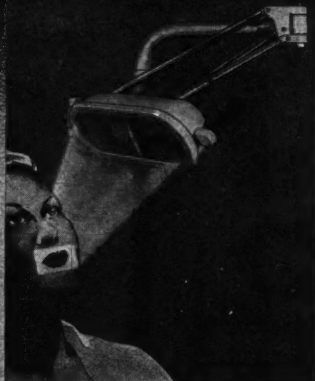
*Be sure when you specify*  
**LUCITONE**

For modern materials call on *Caulk* Milford, Delaware

Manufactured specifically for dentistry from DuPont resins.

## the NEW *PROMETHEUS* ORAVISION

FOR INTRA-ORAL ILLUMINATION



### HOSPITAL LIGHTING PRINCIPLES applied to DENTISTRY

**ADJUSTABLE LIGHT INTENSITY:** You may use just the right amount of light intensity for your particular need with a flick of the switch. Eliminate eye strain and eye fatigue!

**MULTI-LIGHT PROJECTION:** Using hospital lighting principles, ORAVISION uses dual bulbs. Cool, color-corrected, shadowless light converges into a sharply defined operating area.

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The complete enclosed reflecting surfaces in the sealed beam bulb cannot collect dust or moisture from the air.

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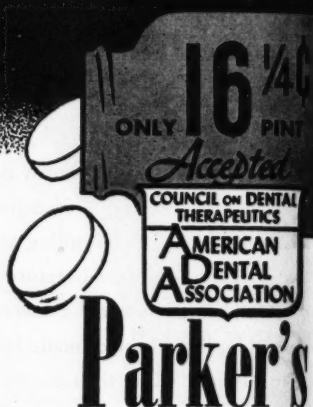
Can be mounted without loss from operating.

See the ORAVISION at your dealer,  
or write for full information

**PROMETHEUS**  
ELECTRIC CORPORATION

401 W. 13th ST., NEW YORK 14, N. Y.

## SAFE EFFECTIVE GERMICIDAL SOLUTION



### GERMICIDAL TABLETS

Just two Parker's Germicidal tablets dropped in a pint of water and stirred, quickly disintegrate to produce a 1:1000 solution of stable, active germicidal solution—A. D. A. approved. Then, instruments need only to be washed free of pus, blood, protein material or soap and immersed in the germicidal solution for 15 minutes to achieve safe and complete chemical disinfection.

- **ECONOMICAL**—One bottle of 80 tablets (\$6.50) makes five gallons of germicidal solution costing \$1.30 a gallon 16 1/4 c a pint.
- **TIME-SAVER**—No time lost waiting for water to boil or instruments to cool.
- **SPACE-SAVER**—No bulky bottles of liquid to store—or to pour.
- **NON-CORROSIVE**—No anti-rust tablets necessary.
- **NON-TOXIC, NON-IRRITATING**—Makes an excellent hand sanitizing rinse for use between patients, or for the cleaning and disinfection of head rests, arm rests, bowls, cabinet drawers, etc.

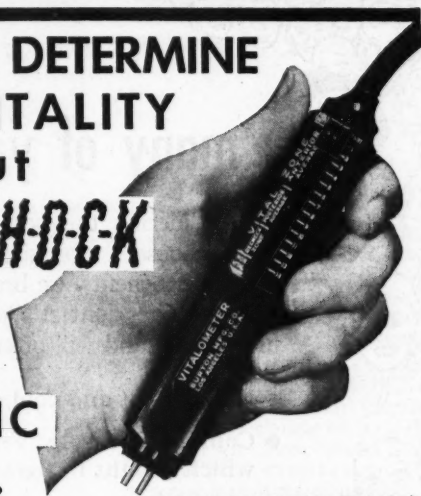
Bottles of 80 Tablets **\$6.50**  
(Equivalent to 5 gallons)

Mfd. by A. J. PARKER CO., Phila., Pa.  
Distributed by  
B. G. HATCH CO., Brooklyn 1, N. Y.

and now . . . DETERMINE  
TOOTH VITALITY  
without

**ELECTRIC S-H-O-C-K**

with the  
**BURTON  
DIAGNOSTIC  
SET . . . . .**

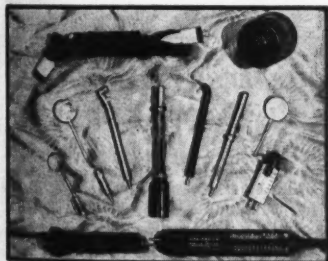


**FREE!** Send for treatise on "Testing Teeth by Short Wave High Frequency."

**Don't Depend on  
OBSOLETE "PULP TESTERS"**

The electric pulp tester in your unit . . . and other so-called "pulp testers" are now obsolete with the advent of this new *Radionic* HIGH FREQUENCY VITALOMETER. It provides a really scientific means for determining tooth vitality with reliability. No wonder it is now used and endorsed by so many leading dentists and dental schools. *It can be installed in your dental unit.*

**NO. 205 HIGH FREQUENCY VITALOMETER only \$65.00**



← **NO. 287 COMPLETE  
DIAGNOSTIC SET  
INCLUDING THE HIGH FRE-  
QUENCY VITALOMETER,  
TRANSILLUMINATORS AND  
OTHER DIAGNOSTIC, OPERATIVE  
AND EXAMINING AIDS, \$85.50**

Write for FREE treatise on  
"Transillumination of the Oral Cavity"

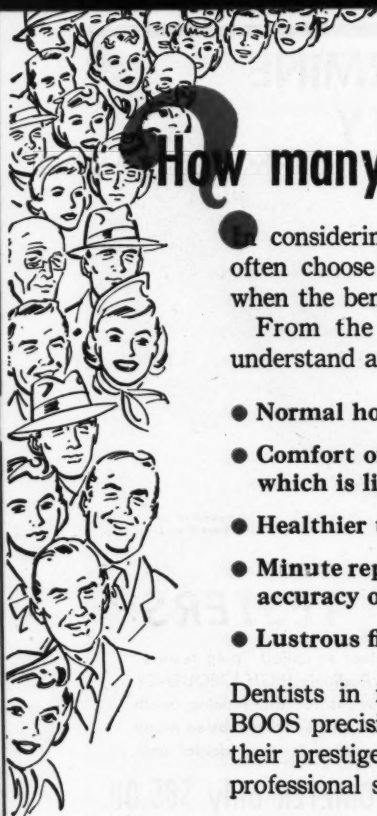
**AVOID POSSIBLE DISAPPOINTMENT . . . ORDER TODAY FOR ASSURED  
DELIVERY OF THESE INVALUABLE DIAGNOSTIC INSTRUMENTS.**

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PROFESSIONAL LIGHTING  
SCIENTIFIC DEVICES

**for the DOCTOR  
• LABORATORY  
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considering the best denture service, patients often choose a precision-cast Vitallium\* base denture when the benefits are brought to their attention.

From the dentist's explanation, the patient understand and will often want these advantages:

- Normal hot and cold sensations when eating.
- Comfort of a thin, yet strong, stable denture which is light in weight.
- Healthier tissue under a cast base.
- Minute reproduction of tissue detail and great accuracy of fit.
- Lustrous finish which is easy to keep clean.

Dentists in increasing numbers have discovered the BOOS precision-cast Vitallium\* base dentures enhance their prestige with outstanding results worthy of the professional skill and reputation.

**IMPORTANT**

### Send for your free sample of BOOS ORAL ART SERIES

Thousands of dentists are finding BOOS Oral Art series a helpful aid in explaining to patients the different cases applicable to their conditions. It costs nothing to build a BOOS Oral Arts file of your own so you can actually show patients full color pictures of the different types of cases. The file is made up of 3½" x 5½" cards, each one featuring a single case with a brief description on the back side. A new series is just out, so write today for your free sample and more information on how you can build a complete file—no obligation, of course.

Address: Oral Arts, Dept. O.H.

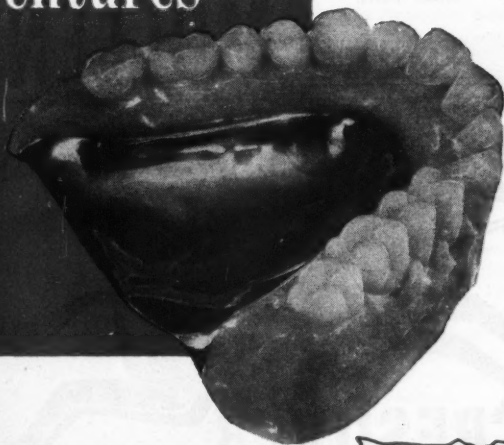


EST. 1914

S We advantages of  
 BOOS  
 PRECISION CAST  
 Vitallium\* Base  
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BOOS processing assures all the advantages of cast base dentures. The exceptional technical skill and fine workmanship of BOOS technicians and intimate knowledge of the accurate Microcast Technique assures superior results in processing the Vitallium\* base.

Setting up teeth to establish masticating efficiency and finely balanced cases is in the capable hands of specialists of long experience who have helped build the BOOS reputation for successful denture results.



BOOS serves Dentists in 47 states

Yes, dentists from all parts of the country find it profitable to send their cases to BOOS. Discover the advantages you, too, can rely on from this complete, dependable service. Make your next case a trial case at BOOS. Prescription blanks, mailing boxes, and labels are available at no cost.

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Branch Laboratories: Medical Arts Bldg., Duluth, Minn. Equitable Bldg., Des Moines, Iowa



Contra-angles  
rebuilt \$ 4.85

Straight handpieces  
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Special types: Den-  
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mates on request.



Burs Re-Cut \$4.80  
per gross. Introduc-  
tory 4 doz, \$1.

# SKILL

Our rebuilding service differs from most. Each handpiece housing shell is fitted not with just stock-size shafts, but shafts that are individually ground to compensate for the particular wear in the housing. Then gears and bearings are fitted, all new, bringing the handpiece back into perfect alignment like it was when new. Our skilled men of many years experience work on your handpieces, whose master craftsmanship will earn your respect . . . and bring your orders back year after year. Your handpieces will be exceptional true running and accurate after Mullen Service.

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# NO NEED FOR NEW BURS

Your dull burs will do the  
same work when ground by

**MULLEN Bros**

The major cost of new burs is for steel and machining the blanks to type and size. You have paid for this when you bought them. There is no need to have this full expense each time you need sharp burs. Just have the blades reground and you have a new bur all over again! We sort and select only the ones worth grinding, then expert craftsmen of long experience grind them to the next size smaller. The work is done under water . . . no temper lost. Result: A BUR THAT REALLY CUTS AND CUTS. The cost is so little, \$4.80 per gross. Introductory offer: a dozen, \$1. Send us a box of dull burs and you'll be convinced. It really pays dividends!

DEALERS: Write for  
catalog of handpiece  
repair parts.

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BURS, HANDPIECES

# MULLEN

BROS



**HIGHEST** practical silver content alloy avail-  
able to dentists, **74½%** Pure Silver.

- Always keeps its silvery-white lustre.
- Conforms to Federal and A. D. A. Specifications.

**Crescent DENTAL MFG. CO.**

1839 S. Pulaski Rd., Chicago 23, Ill.



NON-PRESSURE  
FULL DENTURE  
IMPRESSION  
MATERIAL

# PLASTOGUM

Recommended for use in the  
McGrane Technique  
Full Compound & Full Plaster  
Techniques—and in Rebasings

**PLASTOGUM** does not compress the soft mucosa or tissue.

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**PLASTOGUM** excels in securing a fine registration of detail.

**PLASTOGUM** breaks with a definite, clean fracture.

**PLASTOGUM** measuring cups assure a perfect mix.

**PLASTOGUM** is economical to use.

A quality product at  
25% saving in cost

Your dealer can supply Plastogum promptly on order

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(Patented)

Here is the NEW, streamlined Model of the famous Wig-l-bug, the wonder electric-mortar-and-pestle that is placing amalgam work on a scientific basis. The dependable, trouble-free Wig-l-bug mechanism—that has proved so successful—is now housed in beautiful bakelite. And a New, accurate, easy-to-read electric timer has been added.

Requires only 7 to 10 seconds to triturate enough amalgam for the average filling. Saves time, prevents waste, produces uniformly perfect mixes with a smooth, fine texture. Use the Wig-l-bug with your preferred alloy.



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1839 South Pulaski Road, Chicago 23, Illinois

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**for DENTISTS!**

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with <sup>®</sup>Kemlin

**FOR DENTAL AND SURGICAL CLEANING**

**A Powerful Rust Preventative  
Wetting Agent and Detergent**

**Better because;**



- ★ **ORONOX** thoroughly washes instruments and equipment — penetrates and loosens all particles of bone, dried blood, tissue, grit, oils, rust film, etc.—leaves surfaces bright and shining with minimum effort.
- ★ **ORONOX** is harmless to human hands yet powerful enough to soften hardest water.
- ★ **ORONOX** keeps sterilizers sparkling clean and rust-free. Put a daily pinch in the sterilizer water and watch the results.
- ★ **ORONOX** is economical—one or two teaspoons make a quart of active cleanser.

**ORONOX** is manufactured by the makers of **ALCONOX**, the "Master Cleaner," accepted throughout the world by the Medical and Scientific professions.

Available in 1½ lb. Box—Price \$1.95

If your dealer cannot supply you, write for literature and samples.

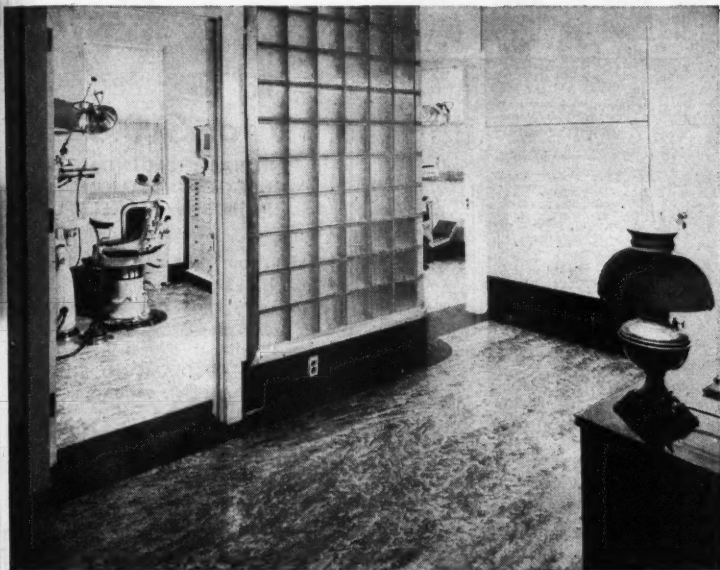
**ALCONOX, INC.** Dept. OH4

61 Cornelson Ave.

Jersey City 4, New Jersey

\* **ORONOX** contains Kemlin, a rust inhibitor — prevents and removes rust.

## The 4-square features of Nairn Linoleum



An interior of the dentist's suite of Dr. J. D. Ross, Arlington, New Jersey, illustrates how Nairn Linoleum with one-piece cove base and border insures cleanliness, easy maintenance, and enduring beauty . . . all important to dentists!

# insure

# easy maintenance enduring beauty!

No wonder so many dentists are again selecting Nairn Linoleum for their new quarters! This modern resilient floor covering eliminates the cracks and crevices that collect dirt and germs on most floor surfaces . . . can be kept spotlessly clean with little effort. Practical Nairn Linoleum remains beautiful, quietizing, and foot-easy indefinitely . . . gives you years and years of trouble-free service.



1. Long Life
2. Enduring Beauty
3. Easy Maintenance
4. True Resilience

For your requirements:  
Nairn Linoleum  
Nairn Wall Linoleum  
Nairn Asphalt Tile  
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Kearny, New Jersey

## NAIRN LINOLEUM for Floors and Walls

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# TRY



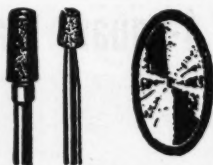
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**SYRINGE JAR**  
**TODAY!**

Waite's Syringe Jar will keep your Cook-Waite "Carpule" Cartridge Syringes convenient and safe.

A FINE PRODUCT OF  
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R. B. WAITE TRADEMARK (REG. U.S. PAT. OFF. AND CANADA)



**5 for \$10.00**

**INDIAN HEAD NON-CLOGGING DIAMOND POINTS or WHEELS**

- Finest quality; long wearing
- Fast, smooth, even cutting
- May be used on any hard amalgam found in natural teeth
- This offer subject to immediate withdrawal without notice.

INDIAN HEAD DIAMOND STRIPS—  
 for use with Acrylics, narrow and wide,  
 \$5.00 per set of 2.

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Get This  
 COMFORTABLE  
 Sweet Smoking  
 Pipe with  
 SPECIAL ENGLISH  
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SCIENTIFICALLY DESIGNED  
 SPECIAL STEM LIP  
 PREVENTS DISLodGING  
 DENTAL PLATES

Thousands sold in  
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 in U. S. A.

**BIG BALANCED  
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PATENTED  
 LEVER  
 ACTION for  
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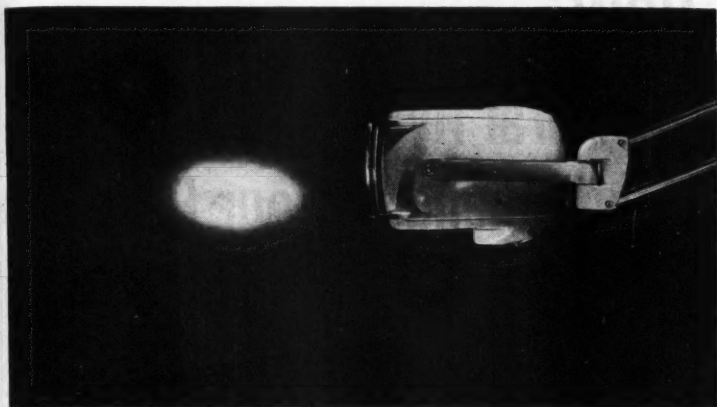
Extremely  
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The even, bright, yet glareless pattern of the PanoVision

## BETTER SEEING than with any other dental light

### LESS GLARE—WITH PANOVISION

The PANOVISION lens has 28 sectors, each a complete reflector. Each lights the whole oral cavity from a different angle. This gives correct illumination—deep into the mouth—yet a soft light without glitter. Your vision doesn't have to fight past sharp glare from front teeth or instruments.

### BETTER LIGHT—WITH PANOVISION

Fourteen inches wide, the multiple reflector PANOVISION lens gives an even, soft-edge pattern of illumination without shadow areas. This makes seeing easier—less tiring—means all-day saving of your vital energy.

### BETTER COLOR—WITH PANOVISION

Built-in filter gives the most natural daylight color of any dental light. The spectral colors are properly balanced for matching and shading. That, plus cool, glareless quality makes visual work easier and faster.

### SAVES YOUR EYES—SAVES MONEY

The PANOVISION also saves money by eliminating service costs. Parts don't wear out because the automatically balanced arm doesn't rely on friction. Parts won't be broken or misplaced when the light is cleaned or bulb changed—because there is nothing to take apart. Every part of this Castle light is designed to save you money by giving long years of perfect service.

For further information ask your Castle dealer or write:  
Wilmut Castle Co., 1122 University Ave., Rochester 7, N. Y.

# Castle

## LIGHTS AND STERILIZERS

# NOW—A Proved Home Method of Oral Hygiene You Can Recommend to Your Patients

**E**VIDENCE now published in a leading dental journal offers proof of a simple home method of oral hygiene, which the profession may safely recommend to patients as a definite aid in prevention of caries.

This evidence is the result of two years' research in five leading American universities—conclusive clinical and X-ray evidence showing that brushing teeth right after eating stops tooth decay *best*—better than any other home method of oral hygiene.

This method has long been highly regarded by the dental profession. But never before has actual proof been available to support a recommendation to patients.

The dentifrice used exclusively in this exhaustive scientific research was Colgate Dental Cream.

In the aforementioned exhaustive research, it was shown that the method of brushing teeth right after eating stopped more decay, for more people, than ever before reported in dentifrice history. Equally important, there were no new cavities whatever for more than one out of three who followed the method.

It may be pointed out that no other toothpaste, ammoniated or not, offers proof of such results.

Colgate Dental Cream is a neutral dicalcium phosphate dentifrice—the result of our constant effort to produce the finest dentifrice industrial research and large manufacturing resources can create. We believe you can recommend it with confidence to your patients.



To assist the dental profession in answering further questions from patients, a booklet has been prepared on the cause and prevention of decay and is available on request. "How You Can Help Prevent Tooth Decay" is already being distributed by hun-

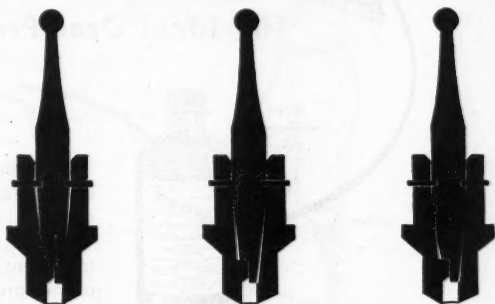
dreds of dentists. Because of the demand, quantities to individual dentists are limited to one hundred. State quantity desired, and send with your name and address to Colgate-Palmolive-Peet Co., Dept. 88, 105 Hudson St., Jersey City 2, N. J.



**Colgate-Palmolive-Peet Company—105 Hudson Street, Jersey City 2, N. J.**



JUST BECAUSE A SHANK IS TAPERED  
DOESN'T MEAN IT'S A *TAPER FIT...*



Unless shank is same taper as barrel, instrument will wobble.

*But* YOU CAN BE SURE  
OF VIBRATIONLESS OPERATION  
BY STANDARDIZING ON  
CUTWELL *Taper Shank* BURS  
and DIAMOND INSTRUMENTS

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Products of 17 Years of "Know-How"  
in the precision manufacture of  
SELF-CENTERING, POSITIVE-SEATING  
TAPER SHANK INSTRUMENTS

THE RANSOM & RANDOLPH COMPANY

TOLEDO, OHIO

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MOUTHWASH AND GARGLE

## The Ideal Oral Prophylactic

Tangy  
Cinnamon-clove  
Flavor



The distinctive cleansing and stimulating properties of Lavioris will prove a valuable adjunct to your treatment of inflamed or atonic oral conditions.

THE LAVORIS COMPANY

MINNEAPOLIS 1, MINN.

## A GOOD ALLOY NEED NOT BE EXPENSIVE . . .

CHECK THESE PRICES •

• Start now to use this tested, accepted alloy that has been used by leading West Coast Dentists for over 18 years.

Speyer's Alloy is carefully made from C.P. metals. You will find it amalgamates smoothly in minimum time, carves exceptionally well in ten minutes and produces a hard, well-sealed mass that polishes beautifully.

- 68 1/4% silver.
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- 4.4 microns per Cm expansion in 24 hours.
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*Dr.* \_\_\_\_\_

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**Orders over 20 ozs. F.O.B. Seattle**

# "Batter-up!"

Even though Colonel Abner Doubleday of Cooperstown laid out the first baseball diamond in 1839, the "great American pastime" got its real start in 1845 when the Knickerbocker Baseball Club of New York drew up the first code of rules for the game.

The Knickerbockers played the first match game of record under these new rules at Hoboken, N. J. on June 19, 1846. Their opponent was a group of players calling themselves "The New York Nine." The winner was to be the team who first scored 21 runs. This required only four innings and the New York Nine won, 23 to 1.

It was in this same year of 1846 that Church and Dwight first began their baking soda business. Our product, sodium bicarbonate is sold under two brand names, Arm & Hammer and Cow Brand Baking Soda.

Recent research has proved that brushing the teeth with low cost bicarbonate of soda reduces *L. Acidophilus* count . . . an important factor in caries control. Soda's gentle action cleans teeth safely . . . used as a gargle or rinse, soda freshens the mouth and removes debris.

**Children's Storybooks**—We have a series of illustrated storybooks for children. They're approved by leading educators and the Council on Dental Health. If you would like a free supply for your waiting room, just write to the address below.



## CHURCH & DWIGHT CO., INC.

10 Cedar Street

New York 5, N. Y.

BUSINESS ESTABLISHED IN 1846

**THE GREAT  
NEW NAME  
IN DENTAL  
RADIOGRAPHY**



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THE RITTER X-RAY WITH THE EXCLUSIVE  
FEATURE OF 2 MACHINES IN ONE!

Select your Technique for Better Controlled  
Diagnostic Quality in Your Radiographs

**VARIABLE TECHNIQUE . . .** Set on variable, the Ritter DUAL-X allows you to control, independently, kilovoltage and milliamperage. As a result, the DUAL-X provides clear, sharply defined radiographs of greater diagnostic value. Long distance radiographic techniques and profile radiography become routine due to the ease of DUAL-X adjustment.

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*Ask your Ritter Dealer for a demonstration of this Ritter Dual-X today.*

DUAL-X features the Ritter Lifetime Stabilizer — tube current automatically stabilized for the life of the equipment without adjustment at any time.

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COMPANY INCORPORATED

BUILT UP TO A STANDARD

NOT DOWN TO A PRICE



RITTER PARK, ROCHESTER 3, N. Y.

## AN OPEN LETTER TO THE DENTAL PROFESSION

Dear Doctor:

In the course of our fifteen years of service to the dental profession, we have seen and experimented with a great many techniques for denture construction. A number of these techniques seemed to have considerable merit, but up to now each one was disqualified for at least one of two reasons.

1) Our primary objection was that we did not feel we were in a position to judge a new technique. New methods, we argued, must first be tested and proved by the profession through long clinical use. 2) If this first tenet were satisfied, we advanced the second hypothesis that we, as a commercial organization, should not attempt to present a technique to the profession that could be presented equally well through normal professional channels. Because of these stringent requirements, we have never sponsored any specialized chair technique, but instead have devoted our energies strictly to the development of laboratory materials and methods for producing better cast restorations.

However, about one year ago we were shown a denture technique which aptly fulfilled all of our requirements. It is known as the Centrimetric System, developed by Mr. Nathan Opotow, President of the Opotow Dental Manufacturing Corp., with the full cooperation of members of the profession. Centrimetrics has been in clinical use for over ten years. Documented case histories and professional affidavits bear ample witness to its soundness in theory and practice. Our thorough investigation over the past year, through professional eyes, has heaped proof on proof that Centrimetrics is an authentic improvement over past methods.

One question remained in our minds: Why was the technique not in more general use? The answer was simple: Dental laboratories had to be trained to translate the work at the chair into finished full or partial dentures. To expedite the process of laboratory training, and to better serve the profession, a nation-wide organization was essential.

Therefore, we felt that the conditions surrounding Centrimetrics satisfied both of our prerequisites. And we are now engaged in installing Centrimetrics in Durallium laboratories all over the world.

You can well imagine the magnitude of our task, and we want to say frankly that it will take months to properly train and equip Durallium laboratories everywhere. But, in this letter, we want to make our plans known, and to introduce the name and general purpose of Centrimetrics. Many Durallium laboratories have already completed the Centrimetrics course, and are fully equipped to serve you now. We will be happy to let you know if the Durallium laboratory nearest you is among them. And we will be glad to send you full information about Centrimetrics, on request.

Sincerely yours,

DURALLIUM PRODUCTS CORPORATION

*Joseph B. Wilk*  
Joseph B. Wilk, President



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Standard  
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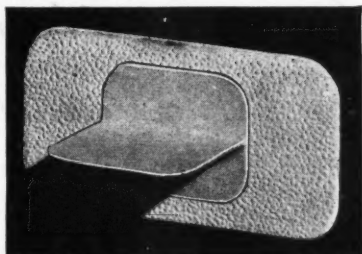


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with improvements

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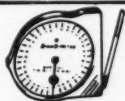
**EASIER TO OPEN** and speedier to handle in darkroom.



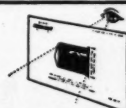
**RINN X-RAY FILM.**  
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Speeds intra-oral x-ray. More parallel positioning



**RINN-O-METER.** Accurate X-ray angulation instantly. Clearly marked, easily read.



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**RINN No 3 BITE-WINGS** Better processing and packaging entirely within metallic wrap.

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**RINN PROCESSING TANK.** High thermal conductivity Fast drain Easy to clean.

*for the  
quiet beauty of  
"living" esthetics...*

*for  
natural tooth colors...*

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**Specify porcelain and plastic  
Five-Phase Anteriors with the  
Veri-chrome Color Guide.**

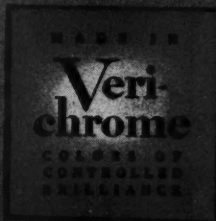
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AVAILABLE IN PORCELAIN AND PLASTIC  
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Now it is possible to accurately trim compound impressions with this new Bard-Parker knife, especially designed for the purpose. The two-unit knife combines a palm-fitting plastic handle and a sturdy detachable blade which can be instantly replaced with a new, sharp blade when needed.

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B-P Plastic Handle No. 6	.....\$2.00

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# THERE'S A Freedom MODEL for Every EXTRA-ENGINE REQUIREMENT!

**\$42<sup>50</sup>**

LESS HANDPIECE

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WITH DORIOT  
HANDPIECE



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**Allcord**  
**MODEL**  
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**88**



Allcord En-  
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available in  
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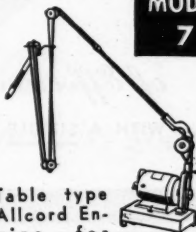


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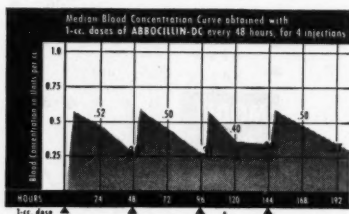
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small dosage; infrequent injection schedule; yet prolonged periods of therapeutic penicillin concentration. That is the clinical record of 600,000-unit ABBOCILLIN-DC, the new double-concentration repository penicillin. Experience shows that a single 1-cc. dose every 48 hours is adequate for the treatment of ordinary penicillin-susceptible infections.

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*Doc gives me DUBBLE BUBBLE for being good"*

Made of finest ingredients under immaculate sanitary conditions, Dubble Bubble's purity and wholesomeness are beyond question. And the kids really go for it... Fleer's Dubble Bubble is the fastest selling penny gum in the world.

Write on your letterhead or prescription blank to Frank H. Fleer Corp., Philadelphia 41, Pa., for free samples to give to your younger patients. Remember: your juvenile friends become your life-time patients.



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### **CENTRAL SUCTION AND COMPRESSION**

### *in Your Clinic!*

See how neat and convenient it is!

Built right into the gleaming tile wall . . . Valves always right next to chair for instant use . . . Metal tubing and apparatus out of sight!

*Almost all modern clinics are installing McKesson Central Suction and Compression.*

Are you planning a new or remodeled clinic of two or more chairs?

Then let us show you how others have installed McKesson Central Systems . . . how inexpensive they are.

Drop us a card or letter today.



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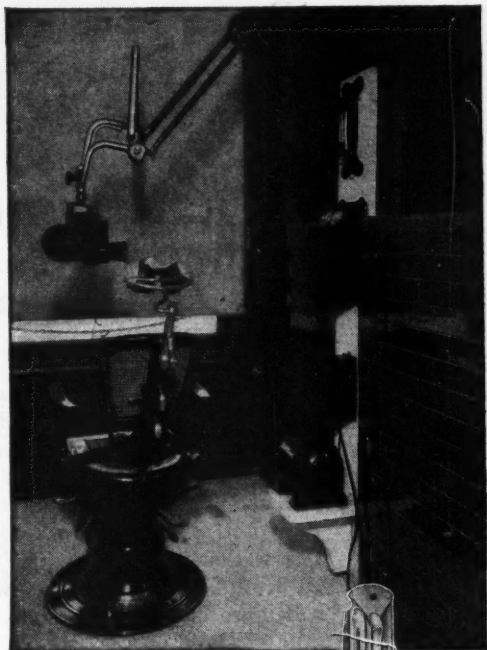
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# WORTH 3 TIMES MORE

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That's right! This 25-year old CDX has a trade-in value 3 times that of any other dental x-ray unit of equal age. Here's proof of the inherent rightness of CDX design.

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AN ACTUAL  
**Statement**  
 BY A  
**Laboratory Technician**

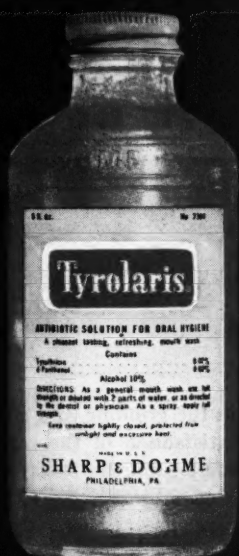
"I saw one of the first Vernonite dentures we ever made the other day. Lady was in the Doctor's office wearing a Vernonite we processed about 12 years ago, and that denture was as bright and the color as beautiful as the day the case was made. I can't say that for a lot of denture materials. When we make a denture of Vernonite, we know it's going to hold up."



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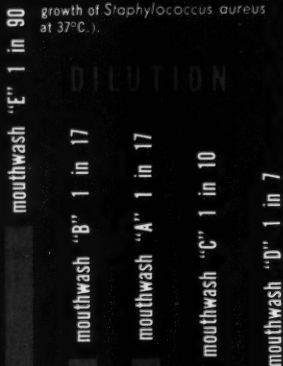
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## Bacteriostatic potency of Tyrolaris compared with that of other leading mouthwashes

This chart illustrates the exceptionally high bacteriostatic potency of Tyrolaris in vitro. The columns show how much each mouthwash can be diluted and yet retain demonstrable bacteriostatic effect (inhibiting growth of *Staphylococcus aureus* at 37°C.).



# NEW, ANTIBIOTIC MOUTHWASH

An entirely NEW kind of mouthwash with modern antibiotic action, extraordinary cleansing properties, and a refreshing aromatic flavor

TYROLARIS® is altogether different from the ordinary "antiseptic" solutions heretofore available. It represents the latest advances in antibacterial agents.

TYROLARIS contains *tyrothricin*, the potent topical antibiotic. Laboratory tests show that tyrothricin destroys many harmful bacteria including those commonly found in the mouth, and that its action is more rapid than that of penicillin against some organisms.

In addition, TYROLARIS contains *panthothenol* which—although it can serve a vitamin-like purpose in human nutrition—interferes with the nutrition and growth of the acid-forming *lactobacilli* that inhabit the mouth.

TYROLARIS contains a special detergent that induces thorough contact with the surfaces of the mouth and teeth, carrying the active ingredients into minute crevices that are ordinarily inaccessible.

TYROLARIS has a delightful aromatic flavor—leaves a clean, refreshing taste in the mouth. Supplied in 8-fluidounce bottles by Sharp & Dohme, Philadelphia 1, Pa.

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*Replicast*  
PRECISION REMOVABLE

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Why not enjoy these *extra* dividends in your partial-denture practice? A REPLICAST appliance costs you no more—perhaps even less—than if it were produced by traditional casting methods. That's because the Dresch-developed REPLICAST technic lends itself to efficient, step-by-step production, eliminating the "variables" of conventional procedures, and yielding a more accurate result without lost time or motion.

Learn why so many dentists from Maine to California are relying on REPLICAST precision removables to enhance the scope and prestige of their partial denture service. Mail the coupon or write for full particulars now.



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XUM





Is it  
too late,  
Doctor?"

It's *not* too late for Americans who go to their doctors at the *first sign* of any one of cancer's 7 danger signals: (1) any sore that does not heal (2) a lump or thickening, in the breast or elsewhere (3) unusual bleeding or discharge (4) any change in a wart or mole (5) persistent indigestion or difficulty in swallowing (6) persistent hoarseness or cough (7) any change in normal bowel habits.

Guard yourself against cancer. Phone the nearest office of the American Cancer Society or simply write to "Cancer."

American Cancer Society

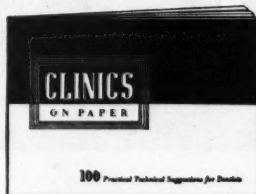
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This booklet is full of facts that will help you at the chair and in the laboratory. And it gives you the facts fast.

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## **POLORIS** *relieves pain* **BTM** *natural decongestion, not* **has**

Unlike tablet analgesics, which operate through the central nervous system merely to "drug out" the pain sensation, Poloris Dental Counterirritant relieves dental pain by actually stimulating the natural processes of physiologic repair.

Poloris' mild, safe, counterirritant action improves capillary activity, inducing an increased flow of arterial

blood to the affected area. Venous congestion is eased, tissue wastes removed, local nutrition stimulated, the reparative process accelerated... and the patient enjoys prompt and gratifying relief of pain.

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Ease pain the natural way—with Poloris Dental Counterirritant.

**CAPSICUM — BENZOCAINE  
DENTAL COUNTERIRRITANT**

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Who'd Solve a Traffic Jam by  
Covering it with a Smoke Screen?



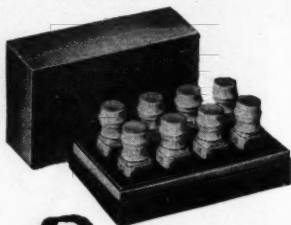
**1** By acting *locally*,  
not by systemic  
involvement.

**2** By *stimulating*  
natural proc-  
esses, not by mask-  
ing them.

Write for Complimentary  
Supply of Office Samples  
to POLORIS CO., INC.  
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• There are 7 shades and thinner, in liquid form, in this new trial assortment. Easy Opaque is an acrylic base that bonds with processed acrylic material. No fuss, no bother. Stays put. Just dip the brush in the bottle and apply to any jacket crown, veneer, bridge framework, etc.

Complete—\$7.50

## Have you tried EASY GLAZE?

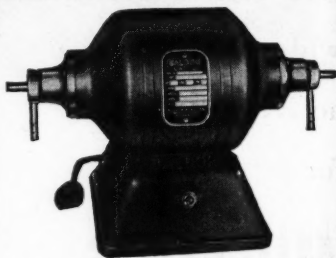
A self-curing transparent acrylic liquid for use as a marginal seal and glaze for all acrylic resin filling material. Can also be used over any silicate filling, as a waterproof coating providing a perfect non-porous coating.

KIT INCLUDES glaze, solvent, brush cleaner and red sable brush...\$6.00

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## Why Dentists like BALDOR Lathe 102



Totally enclosed, dust-proof, trouble-free, ¼ hp, 3400 RPM motor has ball-bearings lubricated for life. Change chucks while lathe is running. Ideal for polishing in dentist's own laboratory.

Baldor Lathe #102, less chucks, **\$39.50**

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Electrical Motor Specialists for 30 years

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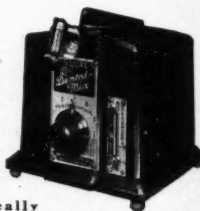
USE THE

*Deluxe*

**DENTAL MIX**

PRICE ONLY

**\$39.75**



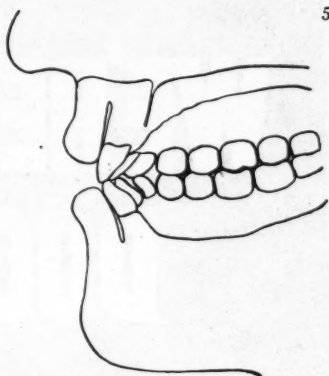
An automatically operated mortar and pestle which gives you positive control of trituration . . . Assures consistently uniform amalgam batches . . . in 10 SECONDS. Good looking . . . practically noiseless. 110-120 V. 60 cycle AC only

- Patented principle in mortar and pestle
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RACINE WISCONSIN

wide-range antibiotic  
activity localized  
for infections of  
the oropharyngeal area



# CRYSTALLINE Terramycin

## TROCHES

In the prophylaxis and treatment of infections commonly encountered in dental practice, a slow-dissolving troche providing a high concentration of an antibiotic in the saliva bathing the tissues is frequently used. The range of organisms that may invade the oropharyngeal area, however, often requires more than limited antibiotic activity for satisfactory therapeutic effect. Terramycin Troches offer broad-spectrum antimicrobial action in conveniently localized form.

Each Troche provides 15 mg. of Terramycin base in a pleasant-tasting, slow-dissolving, mint-flavored sugar troche.

**Indications:** Crystalline Terramycin Troches are often valuable in the treatment of Vincent's infection, particularly in conjunction with systemic therapy; as an adjunct to dental procedures in the treatment of such conditions as pericoronitis, and in the prophylaxis and treatment of many other superficial mouth infections.

**Administration and Dosage:** Daily dosage of 8 to 16 troches has usually been found adequate. A troche is placed in the lower gingivolabial groove and permitted to remain without sucking or chewing until completely dissolved.



*Antibiotic Division*

CHAS. PFIZER & CO., INC., Brooklyn 6, N. Y.

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**WE JUST HAVEN'T BEEN ABLE TO KEEP  
UP WITH THE OVERWHELMING DEMAND  
FOR THE NEW PRO "59" TOOTH BRUSH!**

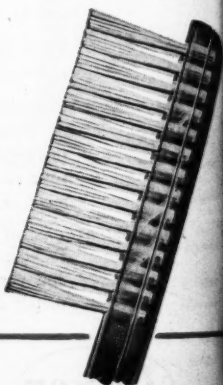
We knew we had a vastly improved tooth brush. We knew that most dentists would like its softer, thinner, multiple bristles and would recommend it. But it was impossible to anticipate the immediate, overwhelming demand that developed because of dentists' recommendations.

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NOW HAVE PRO "59"  
TOOTH BRUSHES IN STOCK**

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**— PRO "59" —**

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2" x 2" and 3" x 3" in sterile units and bulk  
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***Recognized by patients—Relied on by dentists***

DENTAL DIVISION

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The Amm-i-dent formula  
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The patent number is  
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6

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**by** ... directing its fine atomized, water spray upon bur, diamond and other abrasive instruments.

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Therm · Ex Atomizer fits your spray bottle, and is connected by rubber tubing to spray attachments. Patient presses air cut-off when feeling pain or upon your direction.

## OPERATED BY DUAL CONTROL

Equipment becomes integral part of your unit. Synchronized with your engine, spray starts and stops only with foot controller. You may create spray independently of patient, or patient may participate by pressing his hand-switch, or spray may be completely shut off.

Does not flood mouth — saliva ejector unnecessary. No debris ground into tooth structure. Prolongs efficiency of bur, diamond, stone, disc and other abrasives.

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*\*Full information and illustrated literature from your dealer or by writing Hanau.*

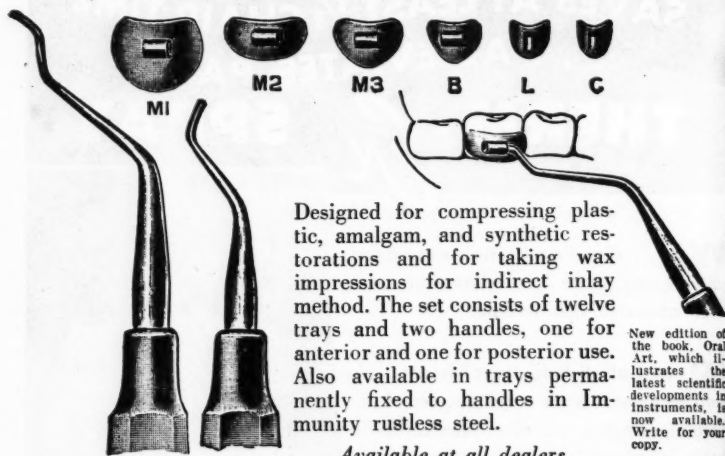


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invaluable in the treatment  
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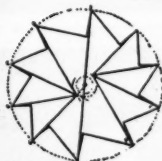
Write for Free Technique Book.

# BUSCH BURS

the facts about

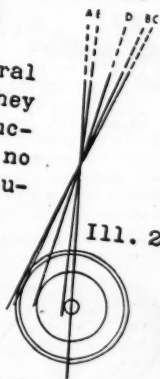
## WORK SMOOTHLY AND QUICKLY UNDER LIGHT PRESSURE

This is because the lateral blades are so situated that they work at different angles in succession (Ill. 1). Further, no two consecutive blades are situated at the same angle to the axis; the cut of the second blade crosses that of the



Ill. 1

first (Ill. 2), and does not enter it. Every blade thus removes only a small particle of the tooth, which enables the practitioner to work quickly and smoothly, and reduces to a minimum any discomfort to the patient.



Ill. 2

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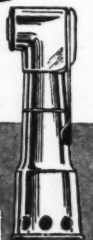
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Perfect trituration

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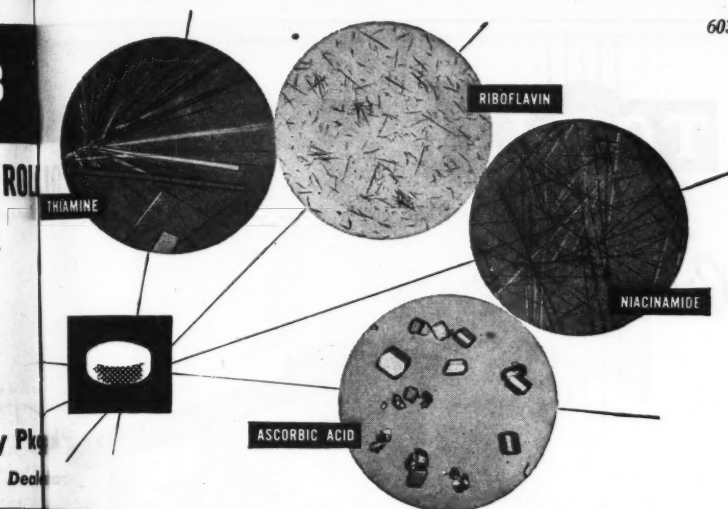
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Four vitamins are essential for the integrity of buccal mucosa. Three of them—thiamine, riboflavin and niacinamide—are members of the B complex; these, together with Vitamin C, are referred to as the “critical water soluble vitamins”.

When nutritional deficiencies are reflected in oral lesions Basic Formula Vitamin Tablets Squibb provide:

**CORRECTION**—of the deficiencies often associated with changes giving rise to gingivitis

**PROTECTION**—when given prophylactically, or as an adjuvant to chemotherapy or antibiotic therapy of oral infections

**CLINICALLY PROVED**, truly therapeutic dosages of:

<b>Dosage:</b> one or more	Thiamine Hydrochloride	10 mg.
Tablets daily	Riboflavin .....	5 mg.
	Niacinamide .....	150 mg.
<b>Bottles of 30, 100,</b>	Ascorbic Acid.....	150 mg.
250 and 1,000		

**BASIC FORMULA**  
VITAMIN TABLETS

**SQUIBB**

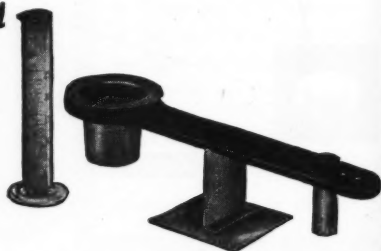
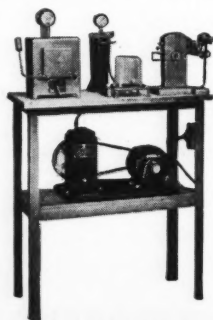
23, N.Y.

# TORIT

## *Investment Proportioners*

### **Torit Vacuum Casting and Investing Outfit**

With this equipment you can practically guarantee yourself perfect castings every time. The units illustrated may be purchased separately, or as a complete outfit including the bench, and all vacuum and electrical connections.



*Insure correct proportions of water and  
investment through accurate  
measurement with*

### **TORIT Investment Proportioner**

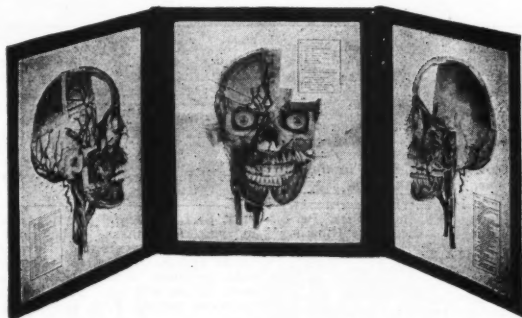
Often overlooked in preparing molds for casting is the importance of measuring water and weighing investment. These must be in exact proportions if you are to obtain accurate results.

Making exact measurements is a simple process with the TORIT equipment pictured above. The glass graduate, calibrated from 0 to 25 C.C., is designed for quick accurate reading. The Investment Proportioner is the simple balance type, with steel contact points on the spun aluminum investment cup so it remains perpendicular in all positions. The counter-weight is adjustable to 40, 50, and 60 grams (in the illustration it is set at the 40 gram weight).

Torit Investment Proportioners are sold as a set, or the graduate and the proportioner unit may be purchased separately. For details and the latest Torit catalog write: TORIT MANUFACTURING COMPANY, 279 Walnut Street, St. Paul 2, Minnesota.

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*for use at the chair . . .*

## **"THE NERVE DISTRIBUTION AND BLOOD SUPPLY OF THE HEAD"**

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**WANTED:** Help of a general practitioner. Will provide equipment and all supplies. Percentage basis. Location, small town in Illinois. "492" Oral Hygiene, Pittsburgh, Pa.

**FOR SALE:** Dental practice and nice home; office in home. Fine location in northern Wisconsin city. Nearest dentist twelve miles. Modern x-ray, American cabinet, Castle lights; other equipment good, many supplies. Good hunting and fishing. Reason for selling, ill health. F. Bigelow, Bayfield, Wis.

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in 25 minutes*

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A self-curing resin, DuraBase is mixed and applied like an impression paste and sets hard on the bench in 15 minutes. There is no boiling, no laboratory procedure, no after-taste.

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When you prescribe Orygene Penicillin Chewing Troches you can expect more favorable results because of—

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As soon as chewing begins Orygene provides high salivary penicillin levels. Then throughout the recommended chewing period the chewing gum base acts as a depot for prolonged release of penicillin into the saliva. Affected oral tissues are thus constantly bathed in high concentrations of penicillin thoroughly dispersed by mastication.

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The dosage you recommend will be adhered to because the usual characteristic taste and odor of penicillin preparations are eliminated from Orygene. The pure chicle gum base and pleasant peppermint flavor of Orygene Penicillin Chewing Troches resemble familiar confections and are readily accepted by adults and children.



# ORYGENE

penicillin chewing troches, Parke-Davis

**10,000 units of crystalline potassium penicillin-G  
in a peppermint-flavored chewing gum base**

**dosage and method of use:** One Orygene troche should be chewed at a time, preferably for 30 minutes. In treating infections caused by Vincent's organisms, a daily total of 4 to 6 troches (one every 3 or 4 hours) will usually produce clinical results within 24 to 48 hours. Treatment should be continued for several days thereafter to prevent relapses.

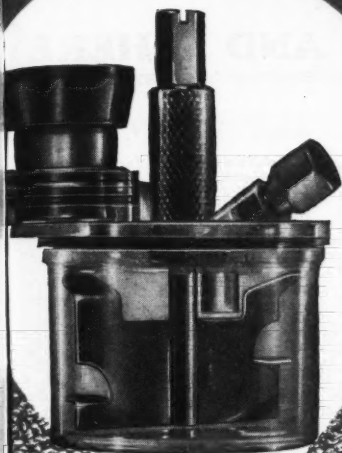
**packaging:** Each Orygene troche is individually and hermetically sealed in metal foil—no refrigeration necessary. Available on prescription in packages of 12.



**PARKE, DAVIS & COMPANY**

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# WHO'S WHO AND WHERE

Although we aim for accuracy in this index, last-minute changes often alter page numbers and positions.

Abbott Laboratories	580
Aderer, Inc., Julius	481
Alconox, Inc.	564
Alison Co., W. D.	548d
Amion, Inc.	548a
American Sterilizer Co.	550
Amm-I-Dent, Inc.	466-67-594
Anacin Co.	453
Ash Sons & Co., Inc., Claudius	488
Astra Pharmaceutical Products, Inc.	535
Astring-O-Sol	539
Austenal Laboratories, Inc.	532-33
Baker & Co., Inc.	545
Baldor Electric Co.	590
Bard-Parker Co.	578
Bayer Co.	486
Boos Dental Laboratories, Inc., Henry P.	560-61
Bosworth Co., Harry J.	563
Bristol-Myers Co.	459-543-4th cover
Buffalo Dental Mfg. Co.	548b
Burton Mfg. Co.	559
Butler Co., The John O.	598
Camel Cigarettes	480
Castle Co., Wilmot	567
Caulk Co., The L. D.	556-57
Central Dental Mfg. Co.	542
Church & Dwight Co., Inc.	571
Cleveland Dental Mfg. Co.	2nd cover
Clinic Shoemakers, The	546
Coe Laboratories, Inc.	551
Colgate-Palmolive-Peet Co.	568
Columbus Dental Mfg. Co.	527
Congoleum-Nairn, Inc.	565
Cook-Waite Laboratories, Inc.	474-75-534-566
Corega Chemical Co.	541
Cosmos Dental Products, Inc.	457
Crescent Dental Mfg. Co.	554-562-63-598
Dee Gold, Handy & Harman	463
Dental Absorbents	546
Dental Perfection Co.	482-544
Dentists' Supply Co., The	612
Dewey School of Orthodontia	540
Doschek, Frost & Caulley	602
Dresch Laboratories Co.	586
Drucker Co., August E.	484
Duralium Products Corp.	574
Eastman Kodak Co.	460-61
Easy Plastic Products, Inc.	590
Fleer Corp., Frank H.	581
Flint Disk Co.	600
Florida Citrus Commission	469
Foredom Electric Co.	579
Forhan Co.	490
Frank, Ltd., Wally	566
General Electric X-Ray Corp.	583
Getz Corp., William	454-55
Goldsmith Bros. Smelting & Refining Co.	468
Gomco Surgical Mfg. Corp.	555
Hanau Engineering Co., Inc.	597
Hatch Co., B. G.	558
Herman, John E.	548b
Hu-Friedy Mfg. Co.	598
Jelenko & Co., Inc., J. F.	540-554
Jergens Co., The Andrew	476-77
Johnson & Johnson	593

Kerr Mfg. Co.	.....
Kelynos	.....
Laclede Laboratories, Inc.	.....
Lang Dental Mfg. Co.	.....
Lavoris Co.	.....
Lederle Laboratories	.....
Luxene	.....
Manhattan Uniform Co.	.....
Master Appliance Mfg. Co.	.....
May Mfg. Corp.	.....
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Midwest Dental Mfg. Co.	.....
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Myerson Tooth Corp.	.....
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Prometheus Electric Corp.	.....
Prophylactic Brush Co.	.....
Ransom & Randolph Co.	.....
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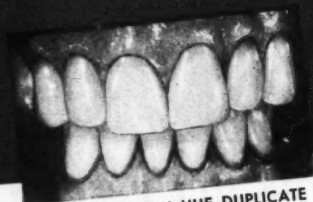
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